

## American Angus Association Interface

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 Product: **Cow Sense<sup>®</sup> NxGen**  
 Version: **5 and later**  
 Page: **1 of 15**

**Discussion:** The purpose of this NxGen Guide is to outline and discuss Partner Exchange Tool functionality and interface for the American Angus Association (AAA). This functionality provides you the capability of packaging data you have recorded in Cow Sense NxGen to submit to AAA, as well as importing data from AAA into your Cow Sense herd.

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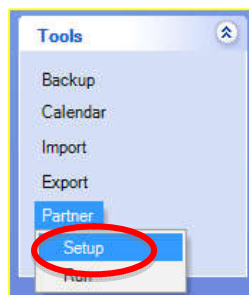
### Getting Started:

#### 1. Are you currently at the most recent version of NxGen?

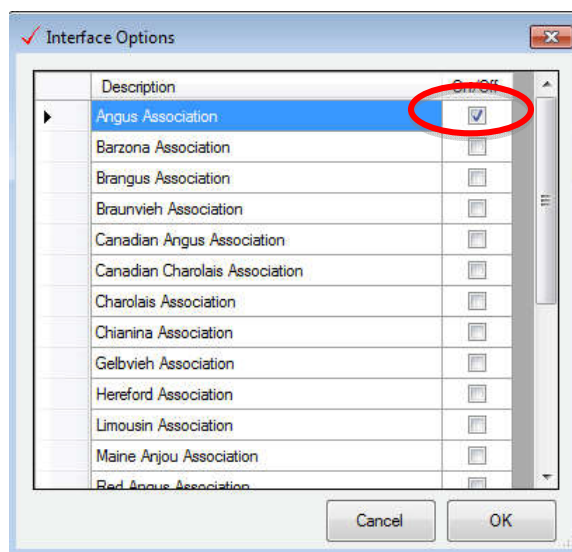
- As discussed in the Tutorial Videos, the **Auto Update** function in Cow Sense will check for updates on a schedule you determine. However, you can perform this check manually from the Top Menu by selecting **Help > Check for Update** and following the prompts to update NxGen.

#### 2. Enable the AAA Interface

- From the **Tools** section on the Task Pane on the left, select **Tools > Partner > Setup**.



- The **Interface Options** window will open. Scroll down the list and find **Angus Association**. Place a check mark in the “On/Off” column to turn **ON** the Angus Association interface. Click **OK** when finished.



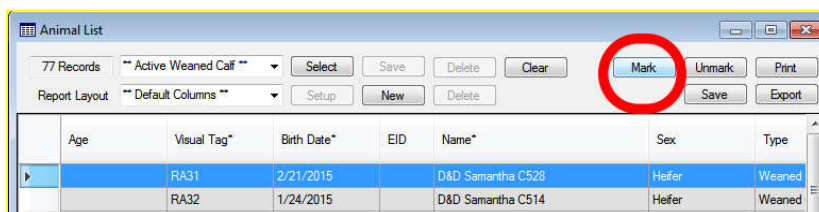
- You will now have an **Angus** tab in the **Individual Animal form (Manage > Individual)**. When data is received and imported from the AAA, these fields will be populated.

Field	Value	Preset
Visual Tag	002	<input type="checkbox"/>
Birth Date	1/23/2000	<input type="checkbox"/>
Age	17	
EID		
Name		
Registration - Primary		
Reg Assoc - Primary		
Tattoo 1	002	
Tattoo 1 Loc		<input type="checkbox"/>

### 3. Prepare data for submission to the AAA

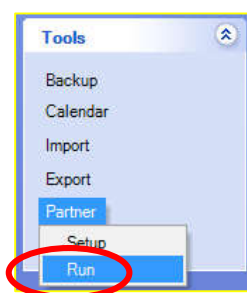
- Animal records being submitted to the American Angus Association through the Partner Exchange Tool will be required to have data in certain fields in Cow Sense. You can view the specific fields and their validation requirements in Appendices A through E in the AAA Partner Exchange Reference Tables. It is **VERY IMPORTANT** that all records to be submitted to AAA meet their requirements, or the submission will be returned.
- Different export types (i.e. initial Registration submission versus a Yearling performance submission) will have different required fields.
  - NOTE:** You may need to turn these required fields on in **Options > Data Field Settings > Standard Fields**.
    - If you need further guidance to enable these fields, please see the Video Tutorial “Getting Started”. You can find this video tutorial, and many others from the Cow Sense Top Menu choose **Help > Tutorial**.

- Required data can be entered in the **Individual Animal Form** in **Manage > Individual** as well as through any of the Process Functions (Calving, Weaning or Yearling). You can also create a review of animal records in the Animal List View (**Animal List - Manage > List**). Set up and Save a Report Layout containing the fields of data required for your submission to AAA. Review, add, or edit data in List View as well. (See the Animal List Tutorial for additional information).
  - Tips. If the missing required data is available in another electronic format such as Excel, it can be imported into NxGen by using the **Import Tool** (see the Import Tool Video Tutorial). Another useful tool for adding required data which is repetitive for many animal records is the **Global Edit** function. From the Tools Menu choose > Global Edit. The NxGen Guide 6 is an excellent resource for using this function: [http://www.cowsense.com/ng/docs/guides/ngg\\_006.pdf](http://www.cowsense.com/ng/docs/guides/ngg_006.pdf)
  - When you execute any of the AAA PET Export functions, the data is exported into an Excel format compatible with AAA requirements. You can always add or edit data in that format outside of Cow Sense. However, if data is recorded in Cow Sense prior to export, it will be stored in Cow Sense for future use.
- Once data entry is complete, animals to be submitted to the AAA should be **Marked**.
  - This can be done in the **Individual Animal Form** by checking the box on the **Identity Marker** field, or by marking animals in the **Animal List (Manage > List)**. For more information on sorting and marking animals in the List View, refer to the Animal List Tutorial.

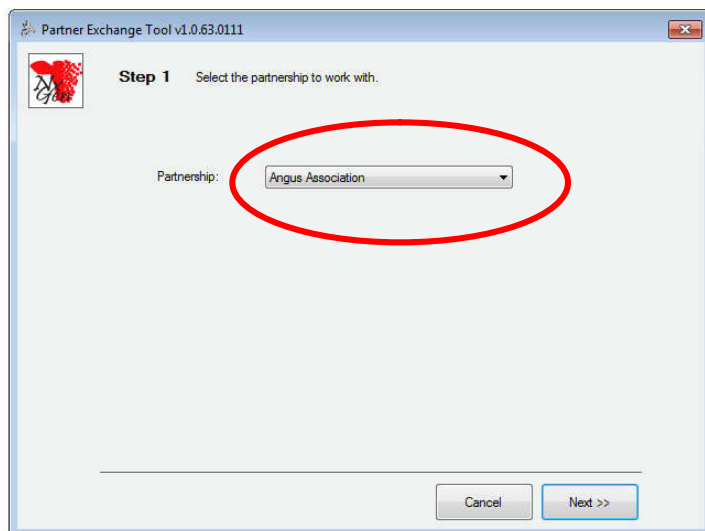


#### 4. Exporting data to the AAA

- Go to **Tools > Partner > Run** on the left **Task Pane**.

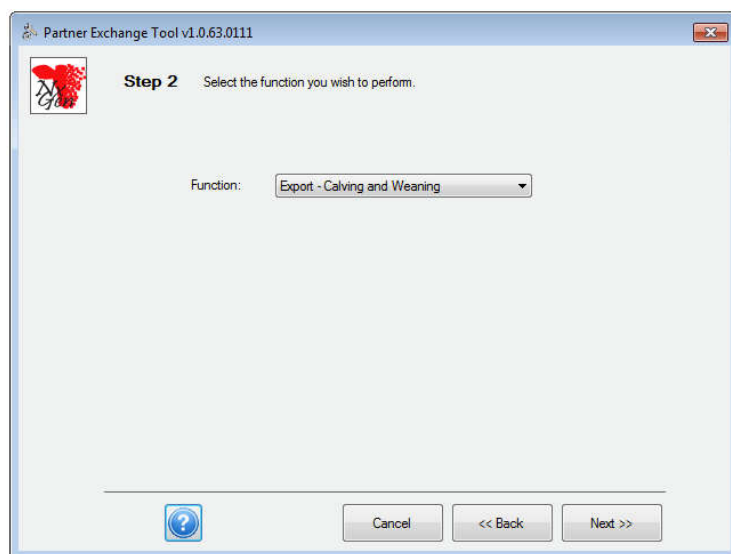


- In the **PET Step 1** window, make sure Angus Association is selected in the Partnership drop-down. Click Next.



- The **PET Step 2** Window allows you to select the Partner Function you wish to perform. In this example, we will **Export - Calving and Weaning Records** (for submitting calving and weaning data jointly). Other export options include:
  - **Calving** (for submitting calving only data);
  - **Yearling** (for submitting performance measures at the yearling stage);
  - **Breeding** (for submitting optional breeding data for cows) and
  - **Mature Cow** (for submitting disposal and annual performance information).

Note that each export type has its own list of required fields for records to be exported, as listed in each Appendix. In this example refer to **Appendix B. Calving and Weaning Submissions**.



- In **PET Step 3**, Enter/Verify your Angus Association member information. Click Next.

Partner Exchange Tool v1.0.63.0111

**Step 3** Enter/verify your Angus Association member information.

Member ID: 1234 City: Lincoln  
First Name: Eleanor State/Prov: NE  
Last Name: Wagner Postal Code: 68510  
Company: MMS Country: US  
Address: 245 S 84th St Phone: 402-323-6969  
Address 2: Email: adminintem@cow sense.com

Buttons: ? Cancel << Back Next >>

- **PET Step 4** allows you to verify the records you have identified (Marked) for export. Click Next if this list looks correct.
  - **Note:** A list of Breeding cows that are not accounted for in the data submission (their progeny are **NOT** included) will be displayed on the right. This is a useful “check and balance” for your review to ensure you have identified all records you wish to submit. In addition, this can be useful to identify the Cow Records that should be included in the Cow Data Submission.

Partner Exchange Tool v1.0.54.1212

**Step 4** Verify the marked records for export.

The following records are marked for export:

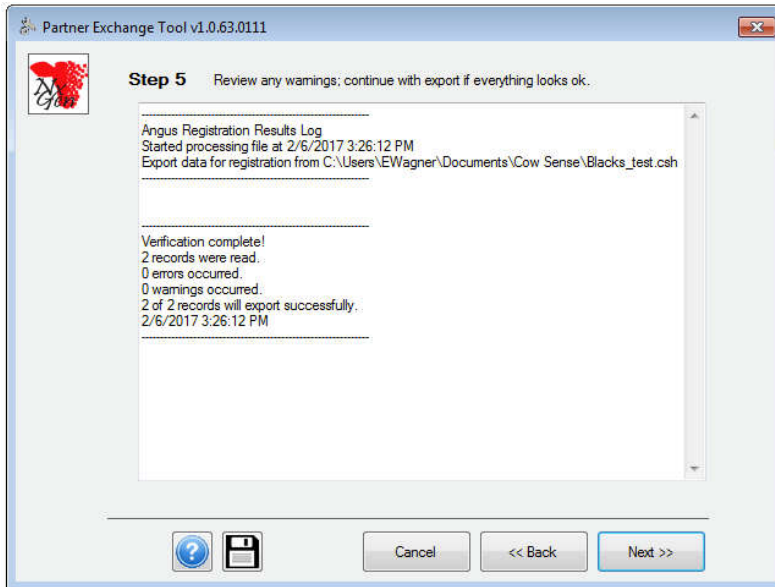
219	Nursing Calf - Active
1	Yearling - Active

120 active breeding cows are not accounted for in this submission:

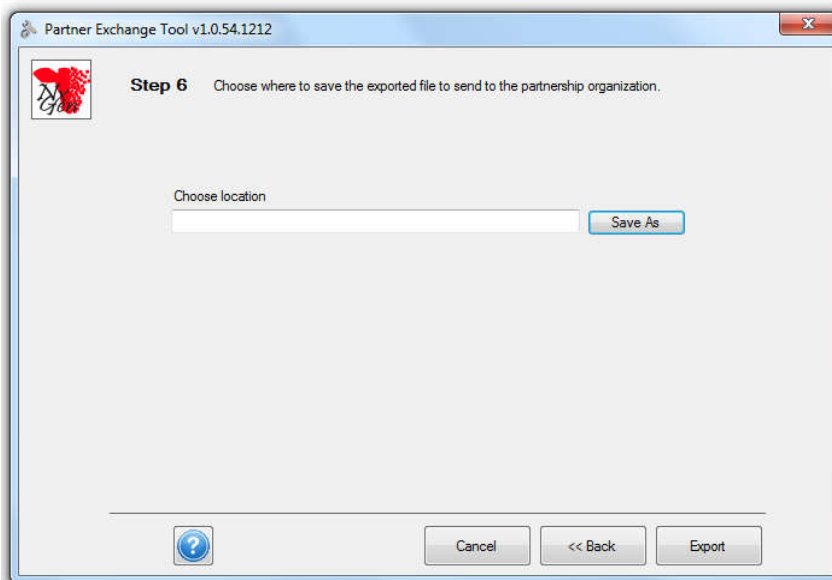
- 7112T
- 8138
- 2033Z
- 2068Z
- 3036A
- 4212B

Buttons: ? Cancel << Back Next >>

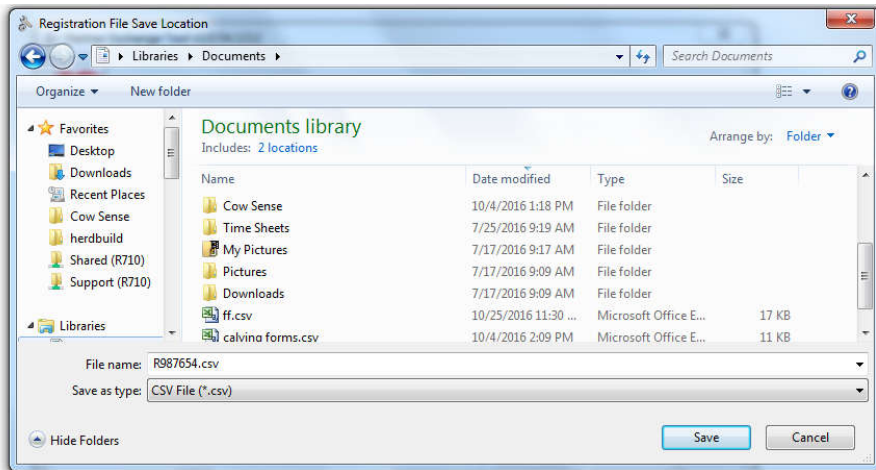
- In **PET Step 5** is a results log of the records to be exported. Data is verified to meet the requirements and the log will display any successes or failures.



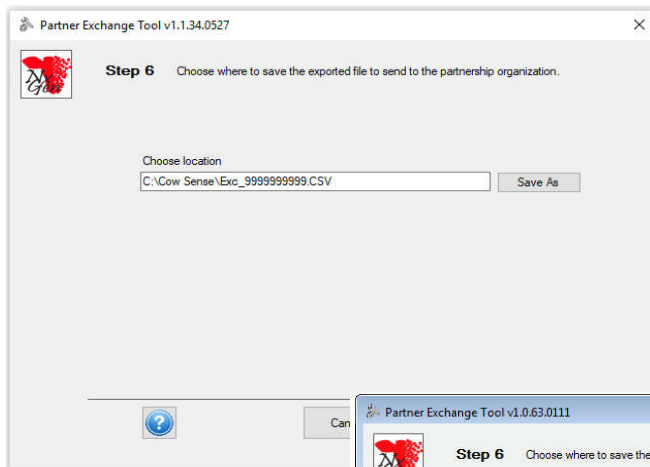
- In **PET Step 6**, choose where you'd like the file to be saved on your computer.
  - Click the **Save As** button to navigate to the location you wish to save the file.



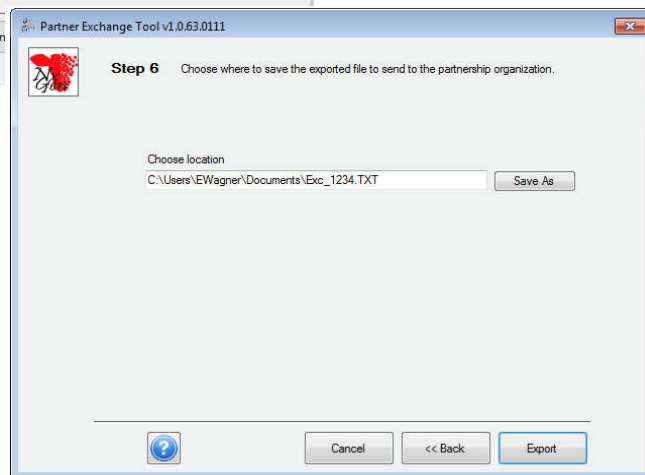
- By default, PET will save to the Cow Sense folder in your Documents directory. However, you can Browse to any location that you wish and then click “Save”.



- **Note:** the exported file will be named **Exc\_(your member number).csv**

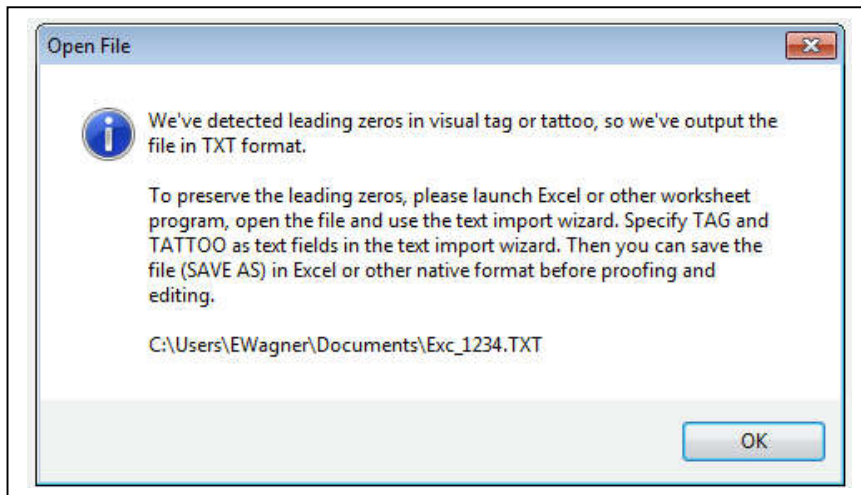


**Note:** However, if PET recognizes that any of the identification fields in Cow Sense have leading zeros, then it will export this file as a text file. The exported file will be named with a prefix of **Exc\_(then your member number).txt**

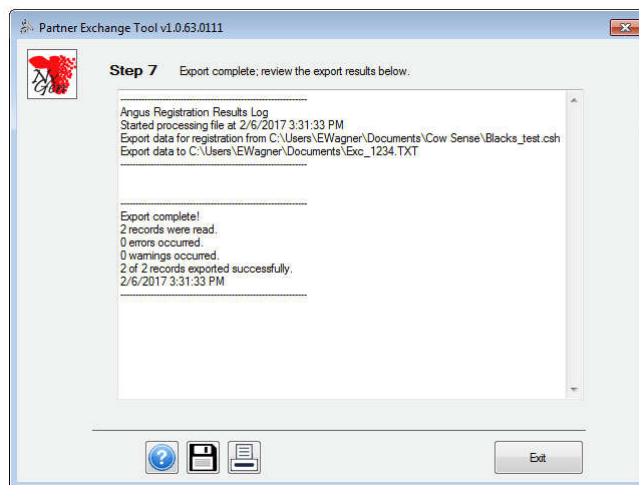


- Once the location to save the file has been selected, click the **Export** button.

- If leading zeros were detected and your file was exported as a “.txt” file, a message will appear with instructions on how to import the file into Excel preserving the leading zeros.



- **Note:** The file must be saved as an Excel (.xls) document before it may be submitted to the Angus Association.
- In **PET Step 7**, review the export results to verify there are no further warnings that need to be addressed.
  - If any warnings are present in the Event Log, return to your herd data and correct the flagged data and re-export the file. You may save or print this log file to reference as you work. **You can also make all corrections in the Worksheet exported.** However, if the corrections are made in Cow Sense they will be stored and available for future use.
  - Click **Exit** when finished.

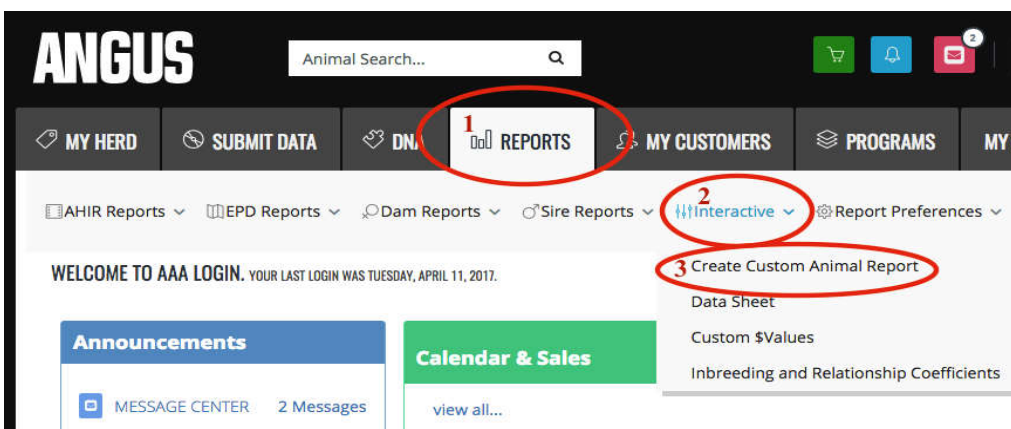


- Locate the file named Exc\_(Your Member Number).txt or .csv. Use this file to proof read the data being submitted to the Association by opening it in Excel or another spreadsheet program. If a .txt file, follow the instructions provided earlier for import into a spreadsheet program.

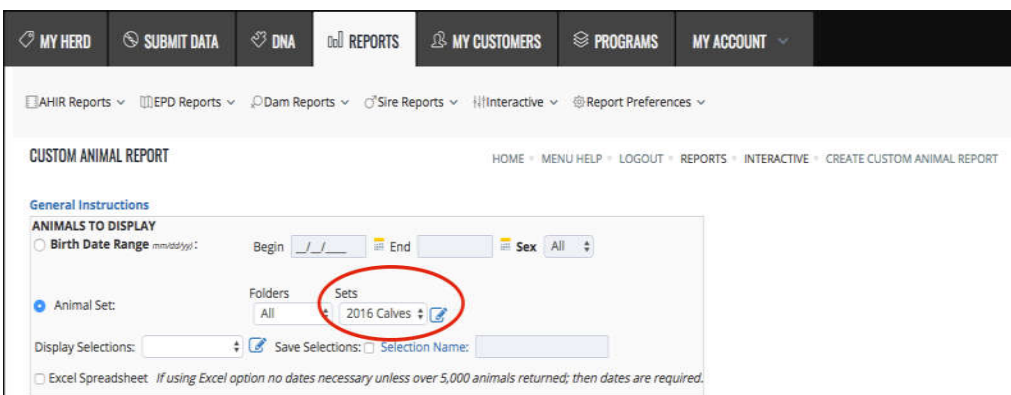
- **Hint: Print the Worksheet early on in the process to review against the respective Reference Table so you can see what corrections may need to be made.** If you find any mistakes or omissions, correct them in your Cow Sense herd file, and re-export the registration file.
- As stated earlier, **you can also make all corrections in the Worksheet exported.** However, corrections made in Cow Sense will be stored and available for future use.
- Review the Worksheet against the AAA Requirements for the specific submission available from their Member Login. **DO NOT** rename the file other than the extension (changing .txt to .xls). **DO NOT** add, move or delete columns. If a column is not required, nor applicable to your information being submitted leave it blank. The column must remain in the spreadsheet in the original order.
- Once the data is saved as an .xls or.xlsx file and appears to be correct, it is ready to submit to the Association. Email the file as an attachment to [hostmaster@angus.org](mailto:hostmaster@angus.org).

### 5. Download data from the AAA

- Animal Updates may be imported into Cow Sense from the American Angus Association’s website. These updates will populate the Angus tab on the Individual Animal View.
  - To access your data, log onto your account at <http://www.angusonline.com>. Click the **Reports Tab**, and then click **Interactive**. Select **Create Custom Animal Report** from the drop-down menu.



- Select the data from the Animals to Display pane. You may either select animals by choosing a birth date range, or with an animal set. If using an animal set, select a saved set from the drop-down menu or click the pencil and paper icon to create a new set.



- To create a new Animal Set, first enter a name to identify this Set and select the folder to which you would want it saved. Then use the criteria to select the animals you wish included in this Set by birth date, sex, existing weight data, active dams, or progeny. When you have made your selection, click Find Animals.

**ANIMAL SETS** HOME • MENU HELP • LOGOUT

Animal Set Name:  Folder:  Existing  New

Click here to create an empty set.

Notes:

---

Birth Date/Sex If more than 2000 animals are returned you will have to narrow down the animals returned by supplying additional search criteria.

Begin Birth Date  End

Sex:  Must have weight data for:  Birth  Weaning  Yearling  Ultrasound  Genomic

Select registered, unregistered or both  type of animals.

---

Active Dams

Beginning Birth Year  Ending Birth Year

---

Progeny

Sire/Dam Registration Number:

---

Include Animals with

(Limited to 45 tattoo/tags at a time. For more, please use the import function at the bottom. Use a comma to separate multiple tattoos: ex. A123, B345)

Include Animals with the following registration numbers:

(Limited to 20 registration numbers at a time. For more, please use the import function at the bottom. Use a comma to separate multiple registration numbers: ex. 12121212, 13131313)

Checking this box will ignore everything in the birth date/sex, active dams, MPlus enrolled, and progeny area. It will only search on criteria entered in the include animals tattoo/tag and registration numbers text fields.

- Review your Animal Set selection and click save if it looks correct.

AHIR Reports ▾ EPD Reports ▾ Dam Reports ▾ Sire Reports ▾ Interactive ▾ Report Preferences ▾

**Animal Sets**

Animal Set Name:  Animal Set Folder:

Notes:

43 Animal(s) found. Click birth date to view AHIR data for animal.

Select/Unselect All

Select	Sex	Reg No.	Name	Tatt/Brand	Tag	Birth Date	EID
<input checked="" type="checkbox"/>	C	AAA 17964533	NU Miss Combo 4024B	B024	4024B	02/25/2014	
<input checked="" type="checkbox"/>	C	AAA 17964535	NU Miss InFocus 031B	B031	4031B	02/26/2014	

You may return to the Create Custom Animal Report screen by clicking the link on the saved set page.

ANIMAL SETS HOME > MENU

Create New Folder  
Create New Set  
Find Animal in Sets

**Active Animal sets**

- Saved Sets
  - 2014 Cows
  - 2016 Calves
  - Active Dams

**Active Animal Set: 2014 Cows** has 43 animals in Folder: **Saved Sets**

Show criteria

**Note:**

Set Options:  
Add animals Rename  
Add / update notes Inactivate **2014 Cows**.  
Move animal set to another folder  
RESELECT animals from criteria used to create this set  
Duplicate this set.

For the options below select animals from this set by checking in the checkboxes below.  
COPY the selected animals to an existing set or new set  
MOVE the selected animals to an existing set or new set  
DELETE the selected animals

Click birth date to view AHIR data for animal.  
 Check All

**Create Custom Animal Report**  
Create Data Sheet  
Submit/Edit Sale Data

- On the Custom Animal Report screen, first **check the Excel Spreadsheet box** to export your data into Excel. Then select any fields that you would like to include in your Export to update your data in Cow Sense.

CUSTOM ANIMAL REPORT HOME > MENU HELP

**General Instructions**

**ANIMALS TO DISPLAY**

Birth Date Range *mm/dd/yyyy*: Begin  End  Sex (All)

Animal Set: Folders: Saved Sets Sets: 2014 Cows

Display Selections:  Save Selections:  Selection Name:

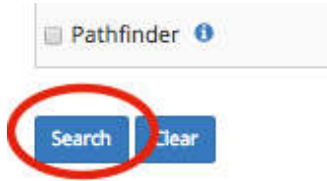
Excel Spreadsheet *Using Excel option no dates necessary unless over 5,000 animals returned; then dates are required.*

**Data to display (Tag and Birth Date always display)**  Select All Columns

Must have data for:  
 Birth  Weaning  Yearling  Ultrasound  Genomic  DNA Parentage SNPs

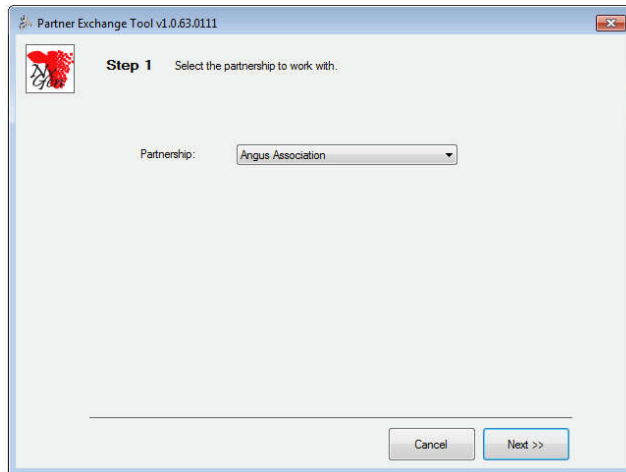
Animal Information	Birth	Maternal	Ultrasound	Epds	HD/LD Rank
<input type="checkbox"/> Reg Number	<input type="checkbox"/> Calving Ease	<input type="checkbox"/> Dam (default)	<input type="checkbox"/> Actual Scan Wt	<input type="checkbox"/> CED EPD	<input type="checkbox"/> CED % Rank
<input type="checkbox"/> Animal Name	<input type="checkbox"/> Weight	<input type="checkbox"/> Individual(Ind) - Cows Only	<input type="checkbox"/> Scan Wt Ratio	<input type="checkbox"/> BW EPD	<input type="checkbox"/> BW % Rank
<input type="checkbox"/> Sex	<input type="checkbox"/> Ratio	<input type="checkbox"/> Calving Interval	<input type="checkbox"/> PCT IMF	<input type="checkbox"/> WW EPD	<input type="checkbox"/> WW % Rank
<input type="checkbox"/> Tattoo/Brand	<input type="checkbox"/> Weaning	<input type="checkbox"/> Birth Avg Ratio	<input type="checkbox"/> Adj PCT IMF	<input type="checkbox"/> YW EPD	<input type="checkbox"/> YW % Rank
<input type="checkbox"/> ET	<input type="checkbox"/> Age	<input type="checkbox"/> Birth Calves	<input type="checkbox"/> PCT IMF Ratio	<input type="checkbox"/> RADG EPD	<input type="checkbox"/> DMI % Rank
<input type="checkbox"/> Pathfinder <input checked="" type="checkbox"/>	<input type="checkbox"/> WDA	<input type="checkbox"/> Wean Avg Ratio	<input type="checkbox"/> Ribeye	<input type="checkbox"/> DMI EPD	<input type="checkbox"/> YH % Rank
<input type="checkbox"/> Twin/Foster	<input type="checkbox"/> MGT	<input type="checkbox"/> Wean Calves	<input type="checkbox"/> Adj Ribeye	<input type="checkbox"/> YH EPD	<input type="checkbox"/> SC % Rank
<input type="checkbox"/> EID	<input type="checkbox"/> Weight	<input type="checkbox"/> Year Avg Ratio	<input type="checkbox"/> Ribeye Ratio	<input type="checkbox"/> SC EPD	<input type="checkbox"/> Doc % Rank

- Click **Search** when satisfied with your selections, and an Excel Spreadsheet file will download onto your computer. Open this file and save it in a location you can easily find when time to Import it into Cow Sense.

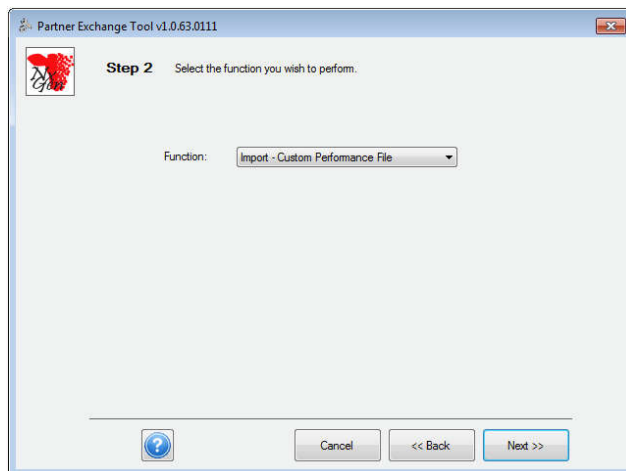


**6. PET Update Data from the AAA into Cow Sense NxGen**

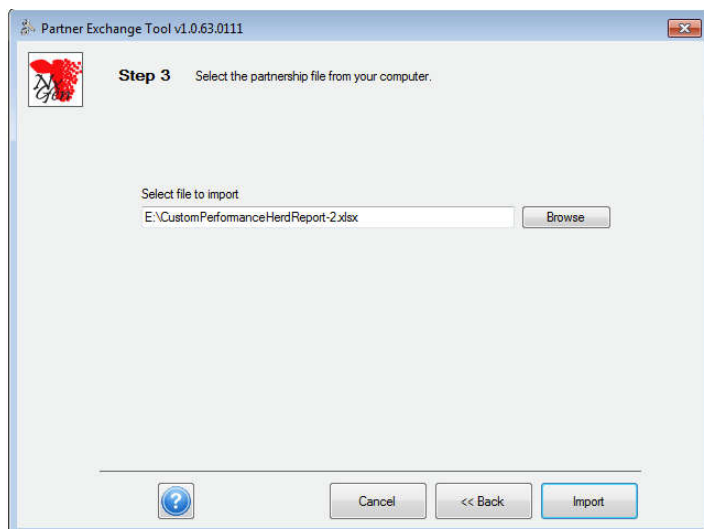
- Once your download is complete, it is time to import the file into Cow Sense. Open the Partner Exchange Tool, and make sure Angus Association is selected is **PET Step 1** and then click the “Next” button.



- In **PET Step 2**, select Import – Custom Performance File as the function and click “Next”.



- In **PET Step 3**, click the “Browse” button to locate your file from AAA that you downloaded and saved earlier. Click on the file and the file name will appear in the field to the left. Select the “Import” button to import the data contained in the file you selected.



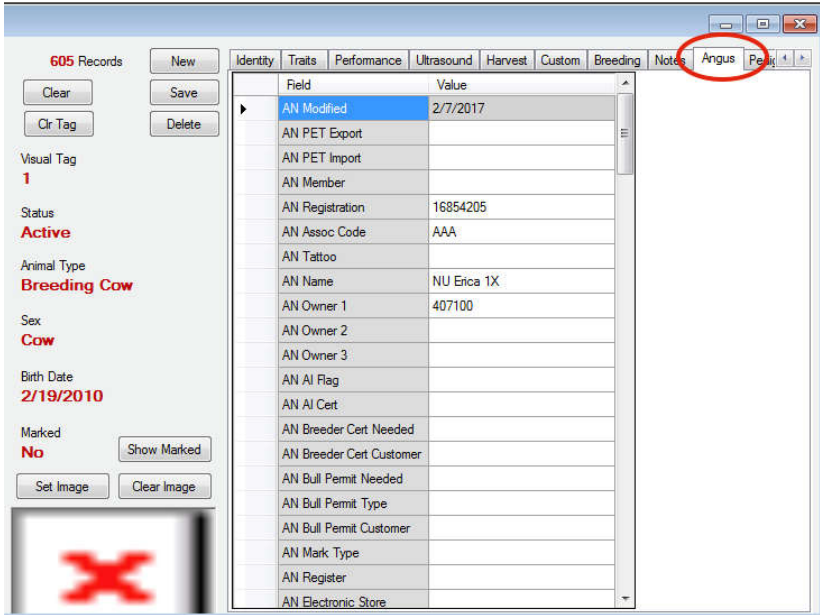
- In **PET Step 4**, a log of the results of the Import function will be displayed. Note that some fields are updated by this Import routine while others are not. A field must be turned on in Cow Sense (Options > Data Field Settings) for it to be updated by this Import function. There may be data fields in the source file from AAA that are not turned on in Cow Sense and they will not be updated but will be recorded in the log file.



- Click the disc image at the bottom to save this log for further review, then click the “Exit” button to close PET.

7. **Review your updated AAA data**

- You can now review the association data updated into your herd. Imported data from the AAA will be located on the Angus tab in **Manage > Individual** view.



- You can also create and save any Report Layout (columns and column order) displaying just the AAA data you wish in the Animal List View.

The screenshot shows the 'Animal List' window with 117 records. The 'Report Layout' is set to 'AAA'. The table below displays the data for the first 17 records, with the first record highlighted in blue.

Visual Tag*	AN EPD YH	AN EPD SC	AN EPD Doc	AN EPD HP	AN EPD CEM	AN EPD Milk	AN EPD MW	AN EPD MH	A
1	4	1.5	10	6.1	14	20	27	0.4	26
3X		1.15	5	11	6	20	25	0.2	25
6	2	1	10	11.1	11	20	36	0.1	16
7			8		10	21	21	0.4	22
008									
9X	4	1.69	17	5.4	8	27	51	0.7	25
011									
11									
12									
19	7	1.38	12	5.5	11	23	60	0.6	25
20	7	1.1	15	4.1	10	20	28	0.3	27
023									
24	6	0.32	9		11	23	48	0.5	31
025									
27	5	0.43	1	6.5	13	22	-7	-0.3	11
30	4		10		12	18	40	0.4	25

## 8. Using PET Reference Tables

Six Appendices follow, five of which are reference tables designed to assist you in understanding how PET pulls data from Cow Sense and prepares it for submission to the American Angus Association. The Partner Exchange Interface for the AAA extracts data from Cow Sense and creates Worksheets that replicate those available to AAA Members from the Association's website.

These tables include a cross reference from the AAA Worksheet including the Column and Field Name references as well as whether the data is a requirement for submission. In addition, these tables show the corresponding Cow Sense Entry Form or Tab on the Individual View and the Cow Sense Field Name from which PET will pull the data.

The PET-AAA Calving Data Submission is designed for users intending to submit and record calf records with the AAA after calving and prior to weaning.

The PET-AAA Combined Calving Weaning Data Submission is designed for users intending to submit and record calf records after weaning and therefore includes data from both events in one submission. In addition, this form would also be used to submit weaning data on records that have previously been submitted using the Calving Data Submission.

The PET-AAA Yearling Data Submission is primarily intended for use in submitting performance updates to AAA for yearlings that had been previously recorded as calves. However, this form can also be used to submit records with required data for initial registry.

The PET-AAA Breeding Data Submission is intended for submitting breeding data. Although this submission of information is not required, IF you submit this information there are required fields.

The PET-AAA Mature Cow Data Submission is intended for submitting breeding data. Although this submission of information is not required, IF you submit this information there are required fields.

The Breed Association Codes is included for reference when entering codes on parent animal records that are registered with a Breed Association other than AAA.

## **Conclusion**

In summary the Partner Exchange Tool interface for the American Angus Association provides you an automated method of delivering and receiving data stored in Cow Sense. If you have questions in the use of this feature or encounter any issues in its use, please contact our Customer Service Representatives.

Please contact us at [support@cowsense.com](mailto:support@cowsense.com) or 800-584-0040 for any questions or assistance.

## Appendix A. Partner Exchange Tool American Angus Association Interface Calving Data Submission - Reference Table

### Calving Data Submissions

(Fields required for submitting calf data at birth)

AAA Worksheet Column	AAA Field Name	AAA Requirement	Cow Sense Entry Form-Tab	Cow Sense Field Description	Data Source and Description
A	Cust Code	Always	PET OR Individual Animal: Angus	Member ID OR AN Member	IF the Member Code (number) for this animal is the same as the Member ID entered in PET Step 3, there is no need to add to this animal record. However, if multiple member numbers are in use in your herd and this animal is recorded to a member number different than registered with PET, it is <b>VERY IMPORTANT</b> that the correct number be recorded in this field.
B	2 <sup>nd</sup> Cust	Yes, if applicable	Individual Animal: Angus	AN Owner 2	Secondary member code, if applicable
C	Calf Assn Num	Optional	Individual Animal Identity OR Angus	Registration Primary OR AN Registration	If submitting information the first time using this export, the calf will not have a Registration Number and this field will be left blank. If previously registered and the AN Registration field has not previously been filled on the Angus tab in Cow Sense, PET will obtain this information from the Identity tab, Registration Primary field. <b>(No need to duplicate on Angus tab if it exists on Identity tab).</b>
D	Calf Assn	Optional	Individual Animal Identity OR Angus	Reg Assoc Primary OR AN Assoc Code	If the AN Assoc Code field has not previously been filled on the Angus tab in Cow Sense, PET will obtain this information from the Identity tab, Reg Assoc Primary field. <b>(No need to duplicate on Angus tab if it exists on Identity tab).</b> If both are empty PET will submit AAA.
E	Dam Assn Num	To Register	Individual Animal Identity OR Angus	Registration Primary OR AN Registration	PET will lookup the Dam Tag stored on the calf's Identity tab in Cow Sense. PET will then reference her record to determine if the AN Registration field has previously been filled on the Angus tab to extract this information. If not, PET will obtain this information from the Identity tab, Registration Primary field. <b>(No need to duplicate on Angus tab if it exists on Identity tab).</b>
F	Dam Assn	Optional	Individual Animal: Identity OR Angus	Reg Assoc Primary OR AN Assoc Code	PET will lookup the Dam Tag stored on the calf's Identity tab in Cow Sense. PET will then reference her record to determine if the AN Assoc Code field has previously been filled on the Angus tab to extract this information. If not, PET will obtain this information from the Identity tab, Reg Assoc Primary field. <b>(No need to duplicate on Angus tab if it exists on Identity tab).</b>
G	Dam Tag	Always	Individual Animal: Identity	Dam Tag	PET will lookup the Dam Tag stored on the calf's Identity tab in Cow Sense. PET will then reference her record to extract the Dam's Visual Tag number.
H	Dam Birth Date	Optional	Individual Animal: Identity	Dam Birth Date	PET will lookup the Dam Tag stored on the calf's Identity tab in Cow Sense. PET will then reference her record to extract her birth date to be submitted and formatted as MM/DD/YY (e.g., 05/06/10).
I	ET	Always	Individual Animal: Traits	Service Type	PET will lookup the information stored in the Service Type field of the Traits tab and submit Y (yes) if the calf is the result of embryo transfer or N (no) if not.
J	IVF	Conditional	Individual Animal: Traits	Service Type	PET will lookup the information stored in the Service Type field of the Traits tab and submit Y (yes) if the calf is the result of In Vitro Fertilization or N (no) if not.
K	ET Recipient Assn Num	Optional	Individual Animal: Identity	Recip Tag Then Registration Primary	PET will lookup the Recip Tag stored on the calf's Identity tab in Cow Sense. PET will then reference the Recip's record to determine if the AN Registration field has previously been filled on the Angus tab to extract this information. If not, PET will obtain this information from the Identity tab, Registration Primary field. <b>(No need to duplicate on Angus tab if it exists on Identity tab).</b> If Recip is unregistered this field will be left blank in the worksheet.

## Appendix A. Partner Exchange Tool American Angus Association Interface Calving Data Submission - Reference Table

AAA Worksheet Column	AAA Field Name	AAA Requirement	Cow Sense Entry Form-Tab	Cow Sense Field Description	Data Source and Description
L	ET Recipient Assn	Optional	Individual Animal Identity OR Angus	Reg Assoc Primary OR AN Assoc Code	PET will lookup the Recip Tag stored on the calf's Identity tab in Cow Sense. PET will then reference the Recip's record to determine if the AN Assoc Code has previously been filled on the Angus tab to extract this information. If not, PET will obtain this information from the Identity tab, Reg Assoc Primary field. <b>(No need to duplicate on Angus tab if it exists on Identity tab)</b> . If Recip is unregistered this field will be left blank in the worksheet.
M	ET Recipient Tag	Always, If ET	Individual Animal: Identity	Recip Tag, then Visual ID	PET will lookup the Recip Tag stored on the calf's Identity tab in Cow Sense. PET will then reference the Recip's record to extract the information recorded in her Visual Tag field
N	ET Recipient Birth Date	Optional	Individual Animal: Identity	Recip Tag then Birth Date	PET will lookup the Recip Tag stored on the calf's Identity tab in Cow Sense. PET will then reference the Recip's record to extract her birth date to be submitted and formatted as MM/DD/YY (e.g., 05/06/10)
O	Sire Assn Num	To Register. Also required for submitting at Weaning	Individual Animal Identity OR Angus	Sire Tag then Registration Primary OR AN Registration	PET will lookup the Sire Tag stored on the calf's Identity tab in Cow Sense. PET will then determine if the AN Registration field has previously been filled on the Angus tab to extract this information. If not, PET will obtain this information from the Identity tab, Registration Primary field. <b>(No need to duplicate on Angus tab if it exists on Identity tab)</b>
P	Sire Assn	Optional for calving  Required for Weaning	Individual Animal Identity OR Angus	Sire Tag then Reg Assoc Primary OR AN Assoc Code	PET will lookup the Sire Tag stored on the calf's Identity tab in Cow Sense. PET will then determine if the AN Assoc Code field has previously been filled on the Angus tab to extract this information. If not, PET will obtain this information from the Individual tab, Reg Assoc Primary field. <b>(No need to duplicate on AN tab if it exists on Individual tab)</b>
Q	Sire Tag	Optional	Individual Animal: Identity	Sire Tag then Visual ID	PET will lookup the Sire Tag stored on the calf's Identity tab in Cow Sense. PET will then extract the Visual Tag number stored on the Sire's record.
R	Sire Group	Optional	Not Available in Cow Sense. However, field is displayed in Export Worksheet	Field not Available in Cow Sense	<b>Filled by user after PET Step 6 Export to Worksheet.</b> Enter an identifier for the multiple sire group in column R of the worksheet created by the PET AAA Calving Submission Export function.
S	Calf Tag	Always	Individual Animal: Identity	Visual Tag	PET will extract the data from the Visual Tag field stored on the Identity tab of the calf's record in Cow Sense.
T	Calf Sex	Always	Individual Animal: Identity	Sex	PET will extract the data from the Sex field stored on the Identity tab of the calf's record in Cow Sense. PET will convert all of the Cow Sense Sex codes to those required by AAA (e.g. B, C, S) for submission.
U	Tattoo	Optional	Individual Animal: Identity	Tattoo 1	PET will extract the data from the Tattoo 1 field stored on the Identity tab of the calf's record in Cow Sense for submission.
V	Birth Date	Always	Individual Animal: Identity	Birth Date	PET will extract the data from the Birth Date field stored on the Identity tab of the calf's record in Cow Sense to be submitted and formatted as MM/DD/YY (e.g., 05/06/18)
W	Birth Weight	Optional	Individual Animal: Performance	Birth Weight	PET will extract the data from the Birth Weight field stored on the Performance tab of the calf's record in Cow Sense for submission. AAA requires that weight submitted must be between 30 and 150 (pounds).

**Appendix A. Partner Exchange Tool American Angus Association Interface  
Calving Data Submission - Reference Table**

AAA Worksheet Column	AAA Field Name	AAA Requirement	Cow Sense Entry Form-Tab	Cow Sense Field Description	Data Source and Description
X	C E	Optional	Individual Animal: Traits	Calving Ease	PET will extract the data from the Calving Ease field stored on the Traits tab of the calf's record in Cow Sense. PET will convert all of the Cow Sense Calving Ease codes to those required by AAA as follows. Cow Sense CE Code                      AAA CE Code No difficulty                                1 = No assistance Minor difficulty                            2 = Some assistance Major difficulty                            3 = Mechanical assistance Cesarean section                          4 = Cesarean section Abnormal presentation                    5 = Abnormal delivery
Y	Twin	Always	Individual Animal: Traits	Twin Code	PET will extract the data from the Twin Code field stored on the Traits tab of the calf's record in Cow Sense. PET will convert all of the Cow Sense Twin Codes to those required by AAA as follows. Cow Sense CE Code                      AAA CE Code Single    0 Twin to heifer calf                          C Twin to a bull calf                          B Multiple Birth (multiple births over 2) M
Z	Birth Code	Optional	Individual Animal: Identity	Birth Code	PET will extract the data from the Disposal Type, Stage and Reason fields stored on the Identity tab of the calf's record in Cow Sense. PET will convert data stored in all three fields to convert to those required by AAA as follows AAA Birth Codes 2 - Died at birth - defect 3 - Died at birth - other 4 - Born alive, died before wn - disease 5 - Born alive, died before wn - other 6 - Calf Sold 7 - Born alive, died before wn – weather AAA does accept an additional Birth code of "1" - Stillborn, carried full term. If you wish to report this code edit the record in the Calving Data Submission Worksheet created by PET prior to submission to AAA.
AA	Foster	Optional	Individual Animal: Traits	Nurse Code	PET will reference the data recorded in the Nurse Code field on the Traits tab in Cow Sense. If PET finds a value of "Foster dam" or "Nurse cow + own dam" then a code of Y (yes) will be submitted. The default is left blank for <b>NO</b> foster dam.
AB	Foster Dam Assn Num	Optional	Individual Animal: Angus AND Individual Animal: Identity	AN Foster Dam then Registration Primary	If PET determines that the calf was raised by a Foster Dam, it will reference the information recorded in the AN Foster Dam field on the Angus Tab of the calf's record in Cow Sense. PET will then lookup the Foster Dam's record and will extract this information from the Identity tab, Registration - Primary field
AC	Foster Dam Assn	Optional	Individual Animal: Angus AND Individual Animal: Identity	AN Foster Dam then Reg Assoc Primary	If PET determines that the calf was raised by a Foster Dam, it will reference the information recorded in the AN Foster Dam field on the Angus Tab of the calf's record in Cow Sense. PET will then lookup the Foster Dam's record and will extract this information from the Identity tab, Reg Assoc - Primary field
AD	Foster Dam Tag	Optional	Individual Animal: Angus AND Individual Animal: Identity	AN Foster Dam then Visual Tag	If PET determines that the calf was raised by a Foster Dam, it will reference the information recorded in the AN Foster Dam field on the Angus Tab of the calf's record in Cow Sense and extract it for submission. It is important that the information recorded in this field is a unique Breeding Cow's Visual Tag in order for PET to connect the dots.

**Appendix A. Partner Exchange Tool American Angus Association Interface  
Calving Data Submission - Reference Table**

AAA Worksheet Column	AAA Field Name	AAA Requirement	Cow Sense Entry Form-Tab	Cow Sense Field Description	Data Source and Description
AE	Foster Dam Birth Date	Optional	Individual Animal: Angus AND Individual Animal: Identity	AN Foster Dam then Birth Date	If PET determines that the calf was raised by a Foster Dam, it will reference the information recorded in the AN Foster Dam field on the Angus Tab of the calf's record in Cow Sense. PET will then lookup the Foster Dam's record and will extract this information from the Identity tab, Birth Date field
AF	Elec ID	Optional	Individual Animal: Identity	EID	PET will reference data recorded in the EID field on the Identity tab and extract for submission. AAA requires data to be between 1 and 30 characters.
AG	REGISTER CALF?	To Register	Individual Animal: Angus	AN Register Calf	<b>Filled by user on Angus tab in Cow Sense prior to PET Export.</b> Enter "Y" (for yes) to indicate you wish to register the calf at this time. Registration fee will be invoiced to member by AAA.
AH	Angus Name	To Register	Individual Animal: Identity	Name	PET will reference the Name field on the Identity tab in Cow Sense and extract this information to be submitted to AAA for registration.
AI	Artificial Insemination?	Required to Register if calf is conceived by AI	Individual Animal: Traits	Service Type	PET will reference Service Type on the Traits tab in Cow Sense. If PET recognizes a code of AI has been recorded it will submit "Y" (yes) in the submission.
AJ	Type	Always	Individual Animal: Angus	AN Mark Type	<b>Filled by user on Angus tab in Cow Sense prior to PET Export.</b> Record the type of external permanent mark. F- Freeze Brand H -Hot Brand T - Tattoo
AK	First Owner	To Register	Individual Animal: Angus	AN Owner 1	<b>Filled by user on Angus tab in Cow Sense prior to PET Export.</b> Enter the Member Code of the First Owner in this field.  Non-Transplant Calves The first owner of a calf is the owner of record or one of not more than three (3) co-owners of record of its dam on the date of birth of the calf.  Embryo Transplant Calves The owner of record of the Donor Dam on the date of embryo removal will be identified as the first owner, unless the calf is a result of a purchased embryo (fresh or frozen) or pregnant recipient, in which case the owner of the embryo or pregnant recipient may be identified as the first owner.  Cell-cloned Transplant Calves The owner of record of the cell-donor, on the date of biopsy removal, will be identified as the first owner, unless the calf is a result of a pregnant recipient, purchased embryo, fresh or frozen, in which case the purchaser may be identified as the first owner.
AL	Bull Permit	Review Requirements	Individual Animal: Angus	AN Bull Permit Needed	<b>Filled by user on Angus tab in Cow Sense prior to PET Export.</b> A Bull Permit is required if the sire was not registered in the name of the owner of record of dam at the time of service. The member code entered in this field should be that of the owner of record of sire at the time of service.
AM	Permit Type	Review Requirements	Individual Animal: Angus	AN Bull Permit Type	<b>Filled by user on Angus tab in Cow Sense prior to PET Export.</b> Enter Bull Permit Type. If the service was artificial insemination, Section VII of the AAA Rules governing artificial insemination require that the dam's owner on the date of service be a full-time employee of owner of bull, an immediate relative of owner of bull or that the dam was sold with an A. I. breeding privilege as condition of the sale. If not, an A. I. Certificate will be required.

**Appendix A. Partner Exchange Tool American Angus Association Interface  
Calving Data Submission - Reference Table**

AAA Worksheet Column	AAA Field Name	AAA Requirement	Cow Sense Entry Form-Tab	Cow Sense Field Description	Data Source and Description
AN	Breeder's Certificate	Review Requirements	Individual Animal: Angus	AN Breeder's Certificate	<b>Filled by user on Angus tab in Cow Sense prior to PET Export.</b> A Breeder's Certificate is required if the Dam was transferred before calf was dropped and service was not reported by the breeder on the transfer. The member code entered in this field should be the owner of the dam on the date of service.
AO	Store Electronically	To Register	Individual Animal: Angus	AN Electronic Store	<b>Filled by user on Angus tab in Cow Sense prior to PET Export.</b> Enter Y (yes) or N (no). If you choose Yes, the animal will be registered but no paper certificate will be printed. It will be stored at the Association and the animal is then eligible for Electronic Transfer. If, at a later time, you require a paper Performance Registration Certificate for the registered animal, you may make a request for the document using the 'Request Printed Registration Paper' option from the Menu. If you choose No, you will receive a printed Performance Registration Certificate.
AP	Embryo Removal Date	Yes, to Register if ET	Individual Animal: Angus	AN Embryo Removal	<b>Filled by user on Angus tab in Cow Sense prior to PET Export.</b> If calf is from an embryo transplant, then enter the embryo removal date.

## Appendix B. Partner Exchange Tool American Angus Association Interface Combined Calving and Weaning Data Submissions - Reference Table

### Combined Calving and Weaning Data Submissions

(Fields required for submitting calving and weaning data jointly or as a weaning update to previously submitted records.)

AAA Worksheet Column	AAA Field Name	AAA Requirement	Cow Sense Entry Form-Tab	Cow Sense Field Description	Data Source and Description
A	Cust Code	Always	PET OR Individual Animal: Angus	Member ID OR AN Member	IF the Member Code (number) for this animal is the same as the Member ID entered in PET Step 3, there is no need to add to this animal record. However, if multiple member numbers are in use in your herd and this animal is recorded to a member number different than registered with PET, it is <b>VERY IMPORTANT</b> that the correct number be recorded in this field.
B	2 <sup>nd</sup> Cust	Yes, if applicable	Individual Animal: Angus	AN Owner 2	Secondary member code, if applicable
C	Calf Assn Num	Optional	Individual Animal Identity OR Angus	Registration Primary OR AN Registration	If previously registered and the AN Registration field has not previously been filled on the Angus tab in Cow Sense, PET will obtain this information from the Identity tab, Registration Primary field. <b>(No need to duplicate on Angus tab if it exists on Identity tab)</b> . If this record is being submitted for initial registry these fields will be left blank.
D	Calf Assn	Optional	Individual Animal: Identity OR Angus	Reg Assoc Primary OR AN Assoc Code	If the AN Assoc Code field has not previously been filled on the Angus tab in Cow Sense, PET will obtain this information from the Identity tab, Reg Assoc Primary field. <b>(No need to duplicate on Angus tab if it exists on Identity tab)</b> . If both are empty PET will submit AAA.
E	Dam Assn Num	To Register	Individual Animal Identity OR Angus	Registration Primary OR AN Registration	PET will lookup the Dam Tag stored on the calf's Identity tab in Cow Sense. PET will then reference her record to determine if the AN Registration field has previously been filled on the Angus tab to extract this information. If not, PET will obtain this information from the Identity tab, Registration Primary field. <b>(No need to duplicate on Angus tab if it exists on Identity tab)</b>
F	Dam Assn	Optional	Individual Animal: Identity OR Angus	Reg Assoc Primary OR AN Assoc Code	PET will lookup the Dam Tag stored on the calf's Identity tab in Cow Sense. PET will then reference her record to determine if the AN Assoc Code field has previously been filled on the Angus tab to extract this information. If not, PET will obtain this information from the Identity tab, Reg Assoc Primary field. <b>(No need to duplicate on Angus tab if it exists on Identity tab)</b>
G	Dam Tag	Always	Individual Animal: Identity	Dam Tag	PET will lookup the Dam Tag stored on the calf's Identity tab in Cow Sense. PET will then reference her record to extract the <b>Dam's Visual Tag number</b>
H	Dam Birth Date	Optional	Individual Animal: Identity	Dam Birth Date	PET will lookup the Dam Tag stored on the calf's Identity tab in Cow Sense. PET will then reference her record to extract her <b>birth date to be submitted and formatted as MM/DD/YY</b> (e.g., 05/06/10).
I	ET	Always	Individual Animal: Traits	Service Type	PET will lookup the information stored in the Service Type field on the Traits tab in Cow Sense. PET will submit Y (yes) if the calf is the result of embryo transfer or N (no) if not.
J	IVF	Conditional	Individual Animal: Traits	Service Type	PET will lookup the information stored in the Service Type field on the Traits tab in Cow Sense. PET will submit Y (yes) if the calf is the result of In Vitro Fertilization or N (no) if not.
K	ET Recipient Assn Num	Optional	Individual Animal: Identity	Recip Tag then Registration Primary	PET will lookup the Recip Tag stored on the calf's Identity tab in Cow Sense. PET will then reference the Recip's record to determine if the AN Registration field has previously been filled on the Angus tab to extract this information. If not, PET will obtain this information from the Identity tab, Registration Primary field. <b>(No need to duplicate on Angus tab if it exists on Identity tab)</b> . If Recip is unregistered this field will be left blank in the worksheet.

**Appendix B. Partner Exchange Tool American Angus Association Interface  
Combined Calving and Weaning Data Submissions - Reference Table**

AAA Worksheet Column	AAA Field Name	AAA Requirement	Cow Sense Entry Form-Tab	Cow Sense Field Description	Data Source and Description
L	ET Recipient Assn	Optional	Individual Animal Identity OR Angus	Reg Assoc Primary OR AN Assoc Code	PET will lookup the Recip Tag stored on the calf's Identity tab in Cow Sense. PET will then reference the Recip's record to determine if the AN Assoc Code has previously been filled on the Angus tab to extract this information. If not, PET will obtain this information from the Identity tab, Reg Assoc Primary field. <b>(No need to duplicate on Angus tab if it exists on Identity tab)</b> . If Recip is unregistered this field will be left blank in the worksheet.
M	ET Recipient Tag	Always, If ET	Individual Animal: Identity	Recip Tag then Visual ID	PET will lookup the Recip Tag stored on the calf's Identity tab in Cow Sense. PET will then reference the Recip's record to extract the information recorded in her Visual Tag field
N	ET Recipient Birth Date	Optional	Individual Animal: Identity	Recip Tag then Birth Date	PET will lookup the Recip Tag stored on the calf's Identity tab in Cow Sense. PET will then reference the Recip's record to extract her birth date to be submitted and formatted as MM/DD/YY (e.g., 05/06/10).
O	Sire Assn Num	To Register and Required for Weaning	Individual Animal Identity OR Angus	Sire Tag then Registration Primary OR AN Registration	PET will lookup the Sire Tag stored on the calf's Identity tab in Cow Sense. PET will then determine if the AN Registration field has previously been filled on the Angus tab to extract this information. If not, PET will obtain this information from the Identity tab, Registration Primary field. <b>(No need to duplicate on Angus tab if it exists on Identity tab)</b>
P	Sire Assn	To Register and Required for Weaning	Individual Animal Identity OR Angus	Sire Tag then Reg Assoc Primary OR AN Assoc Code	PET will lookup the Sire Tag stored on the calf's Identity tab in Cow Sense. PET will then determine if the AN Assoc Code field has previously been filled on the Angus tab to extract this information. If not, PET will obtain this information from the Identity tab, Reg Assoc Primary field. <b>(No need to duplicate on Angus tab if it exists on Identity tab)</b>
Q	Sire Tag	Optional	Individual Animal: Identity	Sire Tag then Visual ID	PET will lookup the Sire Tag stored on the calf's Identity tab in Cow Sense. PET will then extract the Visual Tag number stored on the Sire's record.
R	Sire Group	Optional	Not Available in Cow Sense. However, field is displayed in Export Worksheet	Field not Available in Cow Sense	<b>Filled by user after PET Step 6 Export To Worksheet.</b> Enter an identifier for the multiple sire group in column R of the worksheet created by the PET AAA Calving/Weaning Submission Export.
S	Calf Tag	Always	Individual Animal: Identity	Visual Tag	PET will extract the data from the Visual Tag field stored on the Identity tab of the calf's record in Cow Sense.
T	Calf Sex	Always	Individual Animal: Identity	Sex	PET will extract the data from the Sex field stored on the Identity tab of the calf's record in Cow Sense. PET will convert all of the Cow Sense Sex codes to those required by AAA (e.g. B, C, S) for submission.
U	Tattoo	To Register	Individual Animal: Identity	Tattoo 1	PET will extract the data from the Tattoo 1 field stored on the Identity tab of the calf's record in Cow Sense for submission.
V	Birth Date	Always	Individual Animal: Identity	Birth Date	PET will extract the data from the Birth Date field stored on the Identity tab of the calf's record in Cow Sense to be submitted and formatted as MM/DD/YY (e.g., 05/06/18).
W	Birth Weight	Optional	Individual Animal: Performance	Birth Weight	PET will extract the data from the Birth Weight field stored on the Performance tab of the calf's record in Cow Sense for submission. AAA requires that weight submitted must be between 30 and 150 (pounds).

**Appendix B. Partner Exchange Tool American Angus Association Interface  
Combined Calving and Weaning Data Submissions - Reference Table**

AAA Worksheet Column	AAA Field Name	AAA Requirement	Cow Sense Entry Form-Tab	Cow Sense Field Description	Data Source and Description												
X	C E	Optional	Individual Animal: Traits	Calving Ease	PET will extract the data from the Calving Ease field stored on the Traits tab of the calf's record in Cow Sense. PET will convert all of the Cow Sense Calving Ease codes to those required by AAA as follows.  <table> <tr> <td>Cow Sense CE Code</td> <td>AAA CE Code</td> </tr> <tr> <td>No difficulty</td> <td>1 = No assistance</td> </tr> <tr> <td>Minor difficulty</td> <td>2 = Some assistance</td> </tr> <tr> <td>Major difficulty</td> <td>3 = Mechanical assistance</td> </tr> <tr> <td>Cesarean section</td> <td>4 = Cesarean section</td> </tr> <tr> <td>Abnormal presentation</td> <td>5 = Abnormal delivery</td> </tr> </table>	Cow Sense CE Code	AAA CE Code	No difficulty	1 = No assistance	Minor difficulty	2 = Some assistance	Major difficulty	3 = Mechanical assistance	Cesarean section	4 = Cesarean section	Abnormal presentation	5 = Abnormal delivery
Cow Sense CE Code	AAA CE Code																
No difficulty	1 = No assistance																
Minor difficulty	2 = Some assistance																
Major difficulty	3 = Mechanical assistance																
Cesarean section	4 = Cesarean section																
Abnormal presentation	5 = Abnormal delivery																
Y	Weigh Date	Optional	Individual Animal: Performance	Weaning Date	PET will extract the data from the Weaning Date field stored on the Performance tab of the calf's record in Cow Sense to be submitted and formatted as MM/DD/YY (e.g., 05/06/18).  The AAA acceptable range for weaning weights is between 120 and 280 days of age.												
Z	Wean Weight	Optional	Individual Animal: Performance	Weaning Weight	PET will extract the data from the Weaning Weight field stored on the Performance tab of the calf's record in Cow Sense for submission. Although Weaning Weight data is optional, if submitted AAA requires it to be between 200 and 1100 pounds.												
AA	MGT Code	Required for Weaning	Individual Animal: Traits	Feed Code	PET will review the information recorded in the Feed Code on the Traits tab of the calf's record and insert "1" if non-creep fed or "3" if the calf was creep-fed. The management code must be completed before weights will be processed by AAA.												
AB	Group	Optional	Individual Animal: Performance	Weaning Management Group	PET will first look to the AN Wean Group Field on the Angus tab of the Individual Animal record. <b>However, it is recommended if you wish to separate by contemporary groups that you record the weaning contemporary group code in the Weaning Management Group field on the Performance tab in Cow Sense.</b> Because, if nothing is found on the Angus tab, PET will extract the information recorded on the Performance tab which may be in use with data exchange with other Associations or Production Partners.  Knowledge of calves that are "contemporaries" is critical for accurate data evaluation. A group code may be used to designate a set of calves managed differently from another set of calves. Calves from different groups or pasture units are designated by using a letter code such as A, B, C, etc. For example, calves from two-year old dams in one pasture may be reported as Group A and calves from mature cows in another pasture as Group B.  AAA breeders submitting weaning weights also have the option to have heifers and bulls (or steers) treated as separate sex groups and ratioed as separate sex groups or treated as an entire calf crop with males and females adjusted to a steer basis and ratioed as a group. Use the group code to separate the sex groups of calves if desired. If this is left blank, each weaning group is treated as one unit for calculating ratios.												
AC	Twin	Always	Individual Animal: Traits	Twin Code	PET will extract the data from the Twin Code field stored on the Traits tab of the calf's record in Cow Sense. PET will convert all of the Cow Sense Twin Codes to those required by AAA as follows  <table> <tr> <td>Cow Sense CE Code</td> <td>AAA CE Code</td> </tr> <tr> <td>Single</td> <td>0</td> </tr> <tr> <td>Twin to heifer calf</td> <td>C</td> </tr> <tr> <td>Twin to a bull calf</td> <td>B</td> </tr> <tr> <td>Multiple Birth (multiple births over 2)</td> <td>M</td> </tr> </table>	Cow Sense CE Code	AAA CE Code	Single	0	Twin to heifer calf	C	Twin to a bull calf	B	Multiple Birth (multiple births over 2)	M		
Cow Sense CE Code	AAA CE Code																
Single	0																
Twin to heifer calf	C																
Twin to a bull calf	B																
Multiple Birth (multiple births over 2)	M																

**Appendix B. Partner Exchange Tool American Angus Association Interface  
Combined Calving and Weaning Data Submissions - Reference Table**

AAA Worksheet Column	AAA Field Name	AAA Requirement	Cow Sense Entry Form-Tab	Cow Sense Field Description	Data Source and Description
AD	Birth Code	Optional	Individual Animal: Identity	Birth Code	PET will extract the data from the Disposal Type, Stage and Reason fields stored on the Identity tab of the calf's record in Cow Sense. PET will convert data stored in all three fields to convert to those required by AAA as follows AAA Birth Codes 2 - Died at birth - defect 3 - Died at birth - other 4 - Born alive, died before wn - disease 5 - Born alive, died before wn - other 6 - Calf Sold 7 - Born alive, died before wn – weather  AAA does accept an additional Birth code of "1" - Stillborn, carried full term. If you wish to report this code edit the record in the Calving Data Submission Worksheet created by PET prior to submission to AAA.
AE	Hip Height Measured Date	Optional	Individual Animal: Performance	Weaning Hip Height Date	PET will extract this information from data recorded in the Weaning Hip Height Date field on the Performance tab of the calf's record in Cow Sense to be submitted and formatted as MM/DD/YY (e.g., 05/06/18).
AF	Hip Height	Optional	Individual Animal: Performance	Weaning Hip Height	PET will extract this information from data recorded in the Weaning Hip Height field on the Performance tab of the calf's record in Cow Sense.
AG	SC Measured Date	Optional	Individual Animal: Performance	Scrotum Date	PET will extract this information from data recorded in the Scrotum Date field on the Performance tab of the calf's record in Cow Sense.
AH	Scrotal Circumference	Optional	Individual Animal: Performance	Scrotum	PET will extract scrotal circumference measurement data recorded in the Scrotum field on the Performance tab of the calf's record in Cow Sense.
AI	Cow Measured Date	Optional	Individual Animal: Performance	Mature Weight Date	PET will lookup the Dam's record and extract the data from the Mature Weight Date field of the Performance tab in Cow Sense. PET will report this date formatted as MM/DD/YY (e.g., 05/06/18).
AJ	Cow Weight	Optional	Individual Animal: Performance	Mature Weight	PET will lookup the Dam's record and extract the data from the Mature Weight field of the Performance tab in Cow Sense. AAA requires cow weights reported must be between 400 and 2000 (pounds).
AK	Cow Height	Optional	Individual Animal: Performance	Mature Hip Height	PET will lookup the Dam's record and extract the data from the Mature Hip Height field of the Performance tab in Cow Sense. AAA requires cow hip heights must be between 33.0 and 60.0 (inches).
AL	Condition	Optional	Individual Animal: Traits	Body Condition	PET will lookup the Dam's record and extract the data from the Body Condition field of the Traits tab in Cow Sense. Reference AAA Cow Condition Scores in Appendix E Cow Data Submissions.
AM	Docity	Optional	Individual Animal: Traits	Chute Score	PET will lookup the Dam's record and extract the data from the Chute Score field of the Traits tab in Cow Sense. Reference AAA Docity Scores in Appendix E Cow Data Submissions.

**Appendix B. Partner Exchange Tool American Angus Association Interface  
Combined Calving and Weaning Data Submissions - Reference Table**

AAA Worksheet Column	AAA Field Name	AAA Requirement	Cow Sense Entry Form-Tab	Cow Sense Field Description	Data Source and Description
AN	Disposal	Yes, if Dam disposed	Individual Animal: Angus	AN Disposal Code	<p><b>May be Filled by User on the Dam record in Cow Sense prior to Export.</b></p> <p>Any cow leaving the herd throughout the production cycle <b>must be given a disposal code.</b> Submission of this data can be accomplished from the Cow Export or from the Calving/Weaning Export. To submit this data from the Calving/Weaning Export, PET will lookup the Dam's record and extract the data from the AN Disposal Code field of the Angus tab in Cow Sense. Reference the AAA Disposal Codes listed in Appendix E Cow Data Submissions. If no data is found, this field will be left blank on the worksheet exported.</p> <p>AAA Reason Codes: If a cow remains in your herd but does not have a calving or weaning record for the current year, please complete the Reason Code for her to remain as an active dam in your herd. Submission of this data can be accomplished from the Cow Export or from the Calving/Weaning Export. To submit this data from the Calving/Weaning Export, PET will lookup the Dam's record and extract the data from the AN Disposal Code field of the Angus tab in Cow Sense. Reference the AAA Reason Codes listed in Appendix E Cow Data Submissions.</p>
AO	Disposal Date	Yes, if Disposal Code is recorded.	Individual Animal: Angus	AN Disposal Date	<p><b>May be Filled by User on the Dam record in Cow Sense prior to Export.</b></p> <p>Any cow leaving the herd throughout the production cycle <b>must be given a disposal date.</b> Submission of this data can be accomplished from the Cow Export or from the Calving/Weaning Export. To submit this data from the Calving/Weaning Export, PET will lookup the Dam's record and extract the data from the AN Disposal Code field of the Angus tab in Cow Sense. Reference the AAA Disposal Codes listed in Appendix E Cow Data Submissions. If no data is found, this field will be left blank on the worksheet exported. Record Disposal Date information formatted as MM/DD/YY (e.g., 05/06/18).</p>
AP	Location	Optional	Individual Animal: Identity OR Individual Animal: Angus	Location  AN Location	If you are recording information in Cow Sense Location Wizard, it will be stored in the Location field on the Identity tab. PET will extract this information for reporting if no information exists in the AN Location field on the Angus tab. If you are reporting this information to AAA from the AN Location field on the Angus tab, it cannot exceed 4 characters in length.
AQ	Foster	Optional	Individual Animal: Traits	Nurse Code	PET will reference the data recorded in the Nurse Code field on the Traits tab in Cow Sense. If PET finds a value of "Foster dam" or "Nurse cow + own dam" then a code of Y (yes) will be reported. The default is left blank for <b>NO</b> foster dam.
AR	Foster Dam Assn Num	Optional	Individual Animal: Angus AND Individual Animal: Identity	AN Foster Dam  Registration Primary	If PET determines that the calf was raised by a Foster Dam, it will reference the information recorded in the AN Foster Dam field on the Angus Tab of the calf's record in Cow Sense. PET will then lookup the Foster Dam's record and will extract this information from the Identity tab, Registration - Primary field
AS	Foster Dam Assn	Optional	Individual Animal: Angus AND Individual Animal: Identity	AN Foster Dam  Reg Assoc Primary	If PET determines that the calf was raised by a Foster Dam, it will reference the information recorded in the AN Foster Dam field on the Angus Tab of the calf's record in Cow Sense. PET will then lookup the Foster Dam's record and will extract this information from the Identity tab, Reg Assoc - Primary field
AT	Foster Dam Tag	Optional	Individual Animal: Angus AND Individual Animal: Identity	AN Foster Dam  Visual Tag	If PET determines that the calf was raised by a Foster Dam, it will reference the information recorded in the AN Foster Dam field on the Angus Tab of the calf's record in Cow Sense and extract it for submission. It is important that the information recorded in this field is a Breeding Cow's unique Visual Tag in order for PET to connect the dots.

**Appendix B. Partner Exchange Tool American Angus Association Interface  
Combined Calving and Weaning Data Submissions - Reference Table**

AAA Worksheet Column	AAA Field Name	AAA Requirement	Cow Sense Entry Form-Tab	Cow Sense Field Description	Data Source and Description
AU	Foster Dam Birth Date	Optional	Individual Animal: Angus AND Individual Animal: Identity	AN Foster Dam  Birth Date	If PET determines that the calf was raised by a Foster Dam, it will reference the information recorded in the AN Foster Dam field on the Angus Tab of the calf's record in Cow Sense. PET will then lookup the Foster Dam's record and will extract this information from the Identity tab, Birth Date field
AV	Custom Value	Optional	Individual Animal: Angus	AN Custom	<b>Filled by user.</b> Record any custom information in this field
AW	Elec ID	Optional	Individual Animal: Identity	EID	PET will reference data recorded in the EID field on the Identity tab and extract for submission. AAA requires data to be between 1 and 30 characters.
AX	REGISTER CALF?	To Register	Individual Animal: Angus	AN Register Calf	<b>Filled by user on the Angus tab in Cow Sense prior to export.</b> Enter "Y" (for yes) to indicate you wish to register the calf at this time. Registration fee will be invoiced to member by AAA.
AY	Angus Name	To Register	Individual Animal: Identity	Name	PET will reference the Name field on the Identity tab in Cow Sense and extract this information to be submitted to AAA for registration.
AZ	Artificial Insemination?	Required to Register if calf is conceived by AI	Individual Animal: Traits	Service Type	PET will reference Service Type on the Traits tab in Cow Sense. If PET recognizes a code of AI has been recorded it will submit "Y" (yes) in the submission.
BA	Type	Always	Individual Animal: Angus	AN Mark Type	<b>Filled by user on the Angus tab in Cow Sense prior to export.</b> Record the type of external permanent mark. F - Freeze Brand H - Hot Brand T - Tattoo
BB	First Owner	To Register	Individual Animal: Angus	AN Owner 1	<b>Filled by user on the Angus tab in Cow Sense prior to export.</b> Enter the Member Code of the First Owner in this field.  Non-Transplant Calves The first owner of a calf is the owner of record or one of not more than three (3) co-owners of record of its dam on the date of birth of the calf.  Embryo Transplant Calves The owner of record of the Donor Dam on the date of embryo removal will be identified as the first owner, unless the calf is a result of a purchased embryo (fresh or frozen) or pregnant recipient, in which case the owner of the embryo or pregnant recipient may be identified as the first owner.  Cell-cloned Transplant Calves The owner of record of the cell-donor, on the date of biopsy removal, will be identified as the first owner, unless the calf is a result of a pregnant recipient, purchased embryo, fresh or frozen, in which case the purchaser may be identified as the first owner.
BC	Bull Permit	Review Requirements	Individual Animal: Angus	AN Bull Permit Needed	<b>Filled by user on the Angus tab in Cow Sense prior to export.</b> A Bull Permit is required if the sire was not registered in the name of the owner of record of dam at the time of service. The member code entered in this field should be that of the owner of record of sire at the time of service.
BD	Permit Type	Review Requirements	Individual Animal: Angus	AN Bull Permit Type	<b>Filled by user on the Angus tab in Cow Sense prior to export.</b> Enter Bull Permit Type. If the service was artificial insemination, Section VII of the AAA Rules governing artificial insemination require that the dam's owner on the date of service be a full-time employee of owner of bull, an immediate relative of owner of bull or that the dam was sold with an A. I. breeding privilege as condition of the sale. If not, an A. I. Certificate will be required.

**Appendix B. Partner Exchange Tool American Angus Association Interface  
Combined Calving and Weaning Data Submissions - Reference Table**

AAA Worksheet Column	AAA Field Name	AAA Requirement	Cow Sense Entry Form-Tab	Cow Sense Field Description	Data Source and Description
BE	Breeder's Certificate	Optional	Individual Animal: Angus	AN Breeder's Certificate	<b>Filled by user on the Angus tab in Cow Sense prior to export.</b> A Breeder's Certificate is required if the Dam was transferred before calf was dropped and service was not reported by the breeder on the transfer. The member code entered in this field should be the owner of the dam on the date of service.
BF	Store Electronically	To Register	Individual Animal: Angus	AN Electronic Store	<b>Filled by user on the Angus tab in Cow Sense prior to export.</b> Enter Y (yes) or N (no). If you choose Yes, the animal will be registered but no paper certificate will be printed. It will be stored at the Association and the animal is then eligible for Electronic Transfer. If, at a later time, you require a paper Performance Registration Certificate for the registered animal, you may make a request for the document using the 'Request Printed Registration Paper' option from the Menu. If you choose No, you will receive a printed Performance Registration Certificate.
BG	Embryo Removal Date	Yes, to Register if ET	Individual Animal: Angus	AN Embryo Removal	<b>Filled by user on the Angus tab in Cow Sense prior to export.</b> If calf is from an embryo transplant, then enter the embryo removal date.

## Appendix C. Partner Exchange Tool American Angus Association Interface Yearling Data Submission - Reference Table

### Yearling Data Submissions

(Along with the calving and weaning fields in Reference Table B, these are additional fields for registering or updating calves as yearlings)

AAA Worksheet Column	AAA Field Name	AAA Requirement	Cow Sense Entry Form-Tab	Cow Sense Field Description	Data Source and Description
A	Cust Code	Always	PET OR Individual Animal: Angus	Member ID OR AN Member	IF the Member Code (number) for this animal is the same as the Member ID entered in PET Step 3, there is no need to add to this animal record. However, if multiple member numbers are in use in your herd and this animal is recorded to a member number different than registered with PET, it is <b>VERY IMPORTANT</b> that the correct number be recorded in the AN Member field of the Angus tab.
B	2 <sup>nd</sup> Cust	Yes, if applicable	Individual Animal: Angus	AN Owner 2	Secondary member code, if applicable.
C	Calf Assn Num	Optional	Individual Animal Identity OR Angus	Registration Primary OR AN Registration	If previously registered and the AN Registration field has not previously been filled on the Angus tab in Cow Sense, PET will obtain this information from the calf's Identity tab, Registration Primary field. <b>(No need to duplicate on Angus tab if it exists on Identity tab)</b> . If this record is being submitted for initial registry these fields will be left blank.
D	Calf Assn	Optional	Individual Animal: Identity OR Angus	Reg Assoc Primary OR AN Assoc Code	If the AN Assoc Code field has not previously been filled on the Angus tab in Cow Sense, PET will obtain this information from the Individual tab, Reg Assoc Primary field. <b>(No need to duplicate on Angus tab if it exists on calf's Identity tab)</b> . If both are empty PET will submit AAA.
E	Dam Assn Num	Optional	Individual Animal Identity OR Angus	Registration Primary OR AN Registration	PET will lookup the Dam Tag stored on the calf's Identity tab in Cow Sense. PET will then reference her record to determine if the AN Registration field has previously been filled on the Dam's Angus tab to extract this information. If not, PET will obtain this information from the Dam's Identity tab, Registration Primary field. <b>(No need to duplicate on Angus tab if it exists on Identity tab)</b> .
F	Dam Assn	To Register	Individual Animal: Identity OR Angus	Reg Assoc Primary OR AN Assoc Code	PET will lookup the Dam Tag stored on the calf's Identity tab in Cow Sense. PET will then reference her record to determine if the AN Assoc Code field has previously been filled on the Dam's Angus tab to extract this information. If not, PET will obtain this information from the Dam's Identity tab, Reg Assoc Primary field. <b>(No need to duplicate on Angus tab if it exists on Identity tab)</b> .
G	Dam Tag	Always	Individual Animal: Identity	Dam Tag	PET will lookup the Dam Tag stored on the calf's Identity tab in Cow Sense. PET will then reference Dam's Identity tab to extract her Visual Tag number
H	Dam Birth Date	Always	Individual Animal: Identity	Dam Birth Date	PET will lookup the Dam Tag stored on the calf's Identity tab in Cow Sense. PET will then reference Dam's Identity tab to extract her birth date to be submitted and formatted as MM/DD/YY (e.g., 05/06/10).
I	Sire Assn Num	Required for Yearling	Individual Animal Identity OR Angus	Registration Primary OR AN Registration	PET will lookup the Sire Tag stored on the calf's Identity tab in Cow Sense. PET will then determine if the AN Registration field has previously been filled on the Sire's Angus tab to extract this information. If not, PET will obtain this information from the Sire's Identity tab, Registration Primary field. <b>(No need to duplicate on Angus tab if it exists on Identity tab)</b> .
J	Sire Assn	To Register	Individual Animal Identity OR Angus	Reg Assoc Primary OR AN Assoc Code	PET will lookup the Sire Tag stored on the calf's Identity tab in Cow Sense. PET will then determine if the AN Assoc Code field has previously been filled on the Sire's Angus tab to extract this information. If not, PET will obtain this information from the Sire's Identity tab, Reg Assoc Primary field. <b>(No need to duplicate on Angus tab if it exists on Identity tab)</b> .
K	Sire Tag	Optional	Individual Animal: Identity	Sire Tag	PET will lookup the Sire Tag stored on the calf's Identity tab in Cow Sense. PET will then extract the Visual Tag number stored on the Sire's Identity tab.

## Appendix C. Partner Exchange Tool American Angus Association Interface Yearling Data Submission - Reference Table

AAA Worksheet Column	AAA Field Name	AAA Requirement	Cow Sense Entry Form-Tab	Cow Sense Field Description	Data Source and Description										
L	Sire Group	Optional	Not Available in Cow Sense. However, field is displayed in Export Worksheet	Field not Available in Cow Sense	<b>Filled by user after PET Step 6 Export To Worksheet.</b> Enter an identifier for the multiple sire group in column L of the worksheet created by the PET AAA Yearling Submission Export function.										
M	Calf Tag	Always	Individual Animal: Identity	Visual Tag	PET will extract the data from the Visual Tag field stored on the Identity tab of the calf's record in Cow Sense.										
N	Calf Sex	Always	Individual Animal: Identity	Sex	PET will extract the data from the Sex field stored on the Identity tab of the calf's record in Cow Sense. PET will convert all of the Cow Sense Sex codes to those required by AAA (e.g. B, C, S) for submission.										
O	Tattoo	To Register	Individual Animal: Identity	Tattoo 1	PET will extract the data from the Tattoo 1 field stored on the Identity tab of the calf's record in Cow Sense for submission.										
P	Birth Date	Always	Individual Animal: Identity	Birth Date	PET will extract the data from the Birth Date field stored on the Identity tab of the calf's record in Cow Sense to be submitted and formatted as MM/DD/YY (e.g., 05/06/17).										
Q	Twin	Always	Individual Animal: Traits	Twin Code	PET will extract the data from the Twin Code field stored on the Traits tab of the calf's record in Cow Sense. PET will convert all of the Cow Sense Twin Codes to those required by AAA as follows <table style="margin-left: 20px; border: none;"> <tr> <td>Cow Sense CE Code</td> <td>AAA CE Code</td> </tr> <tr> <td>Single</td> <td>0</td> </tr> <tr> <td>Twin to heifer calf</td> <td>C</td> </tr> <tr> <td>Twin to a bull calf</td> <td>B</td> </tr> <tr> <td>Multiple Birth (multiple births over 2)</td> <td>M</td> </tr> </table>	Cow Sense CE Code	AAA CE Code	Single	0	Twin to heifer calf	C	Twin to a bull calf	B	Multiple Birth (multiple births over 2)	M
Cow Sense CE Code	AAA CE Code														
Single	0														
Twin to heifer calf	C														
Twin to a bull calf	B														
Multiple Birth (multiple births over 2)	M														
R	ET	Always	Individual Animal: Traits	Service Type	PET will lookup the information stored in the Service Type field on the Traits tab in Cow Sense. PET will submit Y (yes) if the calf is the result of embryo transfer or N (no) if not.										
S	IVF	Conditional	Individual Animal: Traits	Service Type	PET will lookup the information stored in the Service Type field on the Traits tab in Cow Sense. PET will submit Y (yes) if the calf is the result of In Vitro Fertilization or N (no) if not.										
T	ET Recipient Assn Num	Optional	Individual Animal: Identity	Recip Tag	PET will lookup the Recip Tag stored on the calf's Identity tab in Cow Sense. PET will then reference the Recip's record to determine if the AN Registration field has previously been filled on the Angus tab to extract this information. If not, PET will obtain this information from the Individual tab, Registration Primary field. <b>(No need to duplicate on Angus tab if it exists on Identity tab).</b> If Recip is unregistered this field will be left blank in the worksheet.										
U	ET Recipient Assn	Optional	Individual Animal Identity OR Angus	Reg Assoc Primary OR AN Assoc Code	PET will lookup the Recip Tag stored on the calf's Identity tab in Cow Sense. PET will then reference the Recip's record to determine if the AN Assoc Code has previously been filled on the Angus tab to extract this information. If not, PET will obtain this information from the Individual tab, Reg Assoc Primary field. <b>(No need to duplicate on Angus tab if it exists on Identity tab).</b> If Recip is unregistered this field will be left blank in the worksheet.										
V	ET Recipient Tag	Always, If ET	Individual Animal: Identity	Recip Tag	PET will lookup the Recip Tag stored on the calf's Identity tab in Cow Sense. PET will then reference the Recip's record to extract the information recorded in her Visual Tag field.										
W	ET Recipient Birth Date	Optional	Individual Animal: Identity	Recip Tag - Birth Date	PET will lookup the Recip Tag stored on the calf's Identity tab in Cow Sense. PET will then reference the Recip's record to extract her birth date to be submitted and formatted as MM/DD/YY (e.g., 05/06/10).										
X	Yearling Weigh Date	Always	Individual Animal: Performance	Yearling Date	PET will extract the data from the Yearling Date field stored on the Performance tab of the calf's record in Cow Sense to be submitted and formatted as MM/DD/YY (e.g., 05/06/17). The AAA acceptable range for yearling weights is between 320 and 640 days of age.										

## Appendix C. Partner Exchange Tool American Angus Association Interface Yearling Data Submission - Reference Table

AAA Worksheet Column	AAA Field Name	AAA Requirement	Cow Sense Entry Form-Tab	Cow Sense Field Description	Data Source and Description
Y	Yearling Weight	Always	Individual Animal: Performance	Yearling Weight	PET will extract the data from the Yearling Weight field stored on the Performance tab of the calf's record in Cow Sense for submission. The AAA acceptable range for yearling weights is between 400 and 2000 (pounds).
Z	Group	Optional	Individual Animal: Performance	Yearling Management Group	<p>PET will first look to the AN Yearling Group Field on the Angus tab of the Individual Animal record. However, it is recommended if you wish to separate by contemporary groups that you record the yearling contemporary group code in the Yearling Management Group field on the Performance tab in Cow Sense. If nothing is found on the Angus tab, PET will extract the information recorded on the Performance tab which may be in use with data exchange with other Associations or Production Partners.</p> <p>Knowledge of calves that are "contemporaries" is critical for accurate data evaluation. A group code may be used to designate a set of calves managed differently from another set of calves. Calves from different groups or pasture units are designated by using a letter code such as A, B, C, etc. For example, calves from two-year old dams in one pasture may be reported as Group A and calves from mature cows in another pasture as Group B.</p> <p>AAA breeders submitting yearling weights also have the option to have heifers and bulls (or steers) treated as separate sex groups and ratioed as separate sex groups or treated as an entire calf crop with males and females adjusted to a steer basis and ratioed as a group. Use the group code to separate the sex groups of calves if desired. If this is left blank, each yearling group is treated as one unit for calculating ratios.</p>
AA	Hip Ht Measured Date	Optional	Individual Animal: Performance	Yearling Hip Height Date	PET will extract this information from data recorded in the Yearling Hip Height Date field on the Performance tab of the calf's record in Cow Sense to be submitted and formatted as MM/DD/YY (e.g., 05/06/17).
AB	Height	Optional	Individual Animal: Performance	Yearling Hip Height	PET will extract this information from data recorded in the Yearling Hip Height field on the Performance tab of the calf's record in Cow Sense. The AAA acceptable range for yearling heights is between 30.0 and 60.0 (inches).
AC	SC Circ Measured Date	Optional	Individual Animal: Performance	Scrotum Date	PET will extract this information from data recorded in the Scrotum Date field on the Performance tab of the calf's record in Cow Sense.
AD	Scrotal Circumference	Optional	Individual Animal: Performance	Scrotum	PET will extract scrotal circumference measurement data recorded in the Scrotum field on the Performance tab of the calf's record in Cow Sense. AAA requires that if reporting scrotal circumference, submit actual scrotal circumference only.
AE	Calf Docility	Optional	Individual Animal: Traits	Chute Score	<p>PET will lookup the calf's record and extract the data from the Chute Score field of the Performance tab in Cow Sense. Reference AAA Docility Scores for reporting calf's temperament:</p> <ol style="list-style-type: none"> <li>1 - <b>Docile</b>. Acceptable, mild disposition, most favorable temperament.</li> <li>2 - <b>Restless</b>. Restless during processing</li> <li>3 - <b>Nervous</b>. Nervous and impatient</li> <li>4 - <b>Flighty (Wild)</b>. Jumpy and out of control, quivers and struggles violently.</li> <li>5 - <b>Aggressive</b>. Added aggressive behavior, extreme agitation.</li> <li>6 - <b>Very Aggressive</b>. Extremely aggressive temperament.</li> </ol>
AF	Feed Test Date	Optional	Individual Animal: Performance	Test – On Wt Date	PET will extract this information from data recorded in the Test – On Wt Date field on the Performance tab of the calf's record in Cow Sense to be submitted and formatted as MM/DD/YY (e.g., 05/06/17).
AG	Feed Test Weight	Optional	Individual Animal: Performance	Test – On Wt	PET will extract this information from data recorded in the Test – On Wt field on the Performance tab of the calf's record in Cow Sense. AAA requires that if reporting feed test data that the test weight must be between 249 and yearling weight.

## Appendix C. Partner Exchange Tool American Angus Association Interface Yearling Data Submission - Reference Table

AAA Worksheet Column	AAA Field Name	AAA Requirement	Cow Sense Entry Form-Tab	Cow Sense Field Description	Data Source and Description
AH	Pelvic Measure Date	Optional	Individual Animal: Performance	Pelvic Date	PET will extract this information from data recorded in the Pelvic Date field on the Performance tab of the calf's record in Cow Sense. AAA requires that if reporting pelvic measurements that the date needs to be between birth date and present date.
AI	Pelvic Width	Optional	Individual Animal: Performance	Pelvis Horizontal	PET will extract this information from data recorded in the Pelvis Horizontal field on the Performance tab of the calf's record in Cow Sense. AAA requires that if reporting pelvic measurements that pelvic width must be between 5.0 and 20.0 (centimeters).
AJ	Pelvic Height	Optional	Individual Animal: Performance	Pelvis Vertical	PET will extract this information from data recorded in the Pelvis Vertical field on the Performance tab of the calf's record in Cow Sense. AAA requires that if reporting pelvic measurements that pelvic height must be between 7.0 and 20.0 (centimeters).
AK	Pelvic Device	Optional	Individual Animal: Angus	AN Pelvic Device	PET will extract this information from data recorded in the Pelvic Device field on the Angus tab of the calf's record in Cow Sense. AAA requires that if reporting pelvic measurements that the following codes be used: 1 = Caliper Type Device 2 = Piston Type Device 3 = Other Device
AL	Foster	Always	Individual Animal: Traits	Nurse Code	PET will reference the data recorded in the Nurse Code field on the Traits tab in Cow Sense. If PET finds a value of "Foster dam" or "Nurse cow + own dam" then a code of Y (yes) will be reported. The default is left blank for no foster dam.
AM	Foster Dam Assn Num	Optional	Individual Animal: Angus AND Individual Animal: Identity	AN Foster Dam Registration Primary	If PET determines that the calf was raised by a Foster Dam, it will reference the information recorded in the AN Foster Dam field on the Angus Tab in Cow Sense. PET will then lookup the Foster Dam's record and will extract this information from the Individual tab, Registration - Primary field.
AN	Foster Dam Assn	Optional	Individual Animal: Angus AND Individual Animal: Identity	AN Foster Dam Reg Assoc Primary	If PET determines that the calf was raised by a Foster Dam, it will reference the information recorded in the AN Foster Dam field on the Angus Tab in Cow Sense. PET will then lookup the Foster Dam's record and will extract this information from the Individual tab, Reg Assoc - Primary field.
AO	Foster Dam Tag	Optional	Individual Animal: Angus AND Individual Animal: Identity	AN Foster Dam Visual Tag	If PET determines that the calf was raised by a Foster Dam, it will reference the information recorded in the AN Foster Dam field on the Angus Tab in Cow Sense and extract it for submission. It is important that the information recorded in this field is a unique Breeding Cow's Visual Tag in order for PET to connect the dots.
AP	Foster Dam Birth Date	Optional	Individual Animal: Angus AND Individual Animal: Identity	AN Foster Dam Birth Date	If PET determines that the calf was raised by a Foster Dam, it will reference the information recorded in the AN Foster Dam field on the Angus Tab in Cow Sense. PET will then lookup the Foster Dam's record and will extract this information from the Individual tab, Birth Date field.
AQ	Custom Value	Optional	Individual Animal: Angus	AN Custom	<b>Filled by user on the Angus tab in Cow Sense prior to export.</b> Record custom information in this field.

**Appendix C. Partner Exchange Tool American Angus Association Interface  
Yearling Data Submission - Reference Table**

AAA Worksheet Column	AAA Field Name	AAA Requirement	Cow Sense Entry Form-Tab	Cow Sense Field Description	Data Source and Description
AR	Disposal	Optional	Individual Animal: Angus	AN Disposal	PET will extract data stored on the yearling's Angus tab, AN Disposal field. If submitting disposal information for yearling cattle disposed, then the following codes must be used: AAA Disposal Reasons 10 - Died after weaning - disease 11 - Culled - Miscellaneous 12 - Culled - structure 13 - Culled - performance 14 - Culled - temperament 15 - Sold exposed - open 16 - Sold exposed - pregnant 20 - Genetic Defect Status 21 - Sold for slaughter 22 - Sold - other 23 - Culled - Feet (Hoof or Toe)
AS	Elec ID	Optional	Individual Animal: Identity	EID	PET will reference data recorded in the EID field on the Identity tab and extract for submission. AAA requires data to be between 1 and 30 characters.
AT	REGISTER CALF?	To Register	Individual Animal: Angus	AN Register Calf	<b>Filled by user on the Angus tab in Cow Sense prior to export.</b> Enter "Y" (for yes) to indicate you wish to register the calf at this time. Registration fee will be invoiced to member by AAA.
AU	Angus Name	To Register	Individual Animal: Identity	Name	PET will reference the Name field on the Identity tab in Cow Sense and extract this information to be submitted to AAA for registration.
AV	Artificial Insemination?	Required to Register if calf is conceived by AI	Individual Animal: Traits	Service Type	PET will reference Service Type on the Traits tab in Cow Sense. If PET recognizes a code of AI has been recorded it will submit "Y" (yes) in the submission.
AW	Type	Always	Individual Animal: Angus	AN Mark Type	<b>Filled by user on the Angus tab in Cow Sense prior to export.</b> Record the type of external permanent mark. F- Freeze Brand H -Hot Brand T - Tattoo
AX	First Owner	Always	Individual Animal: Angus	AN Owner 1	<b>Filled by user on the Angus tab in Cow Sense prior to export.</b> Enter the Member Code of the First Owner in this field.  Non-Transplant Calves The first owner of a calf is the owner of record or one of not more than three (3) co-owners of record of its dam on the date of birth of the calf.  Embryo Transplant Calves The owner of record of the Donor Dam on the date of embryo removal will be identified as the first owner, unless the calf is a result of a purchased embryo (fresh or frozen) or pregnant recipient, in which case the owner of the embryo or pregnant recipient may be identified as the first owner.  Cell-cloned Transplant Calves The owner of record of the cell-donor, on the date of biopsy removal, will be identified as the first owner, unless the calf is a result of a pregnant recipient, purchased embryo, fresh or frozen, in which case the purchaser may be identified as the first owner.

**Appendix C. Partner Exchange Tool American Angus Association Interface  
Yearling Data Submission - Reference Table**

AAA Worksheet Column	AAA Field Name	AAA Requirement	Cow Sense Entry Form-Tab	Cow Sense Field Description	Data Source and Description
AY	Bull Permit	Review AAA Requirements	Individual Animal: Angus	AN Bull Permit Needed	<b>Filled by user on the Angus tab in Cow Sense prior to export.</b> A Bull Permit is required if the sire was not registered in the name of the owner of record of dam at the time of service. The member code entered in this field should be that of the owner of record of sire at the time of service.
AZ	Permit Type	Review AAA Requirements	Individual Animal: Angus	AN Bull Permit Type	<b>Filled by user on the Angus tab in Cow Sense prior to export.</b> Enter Bull Permit Type. If the service was artificial insemination, Section VII of the AAA Rules governing artificial insemination require that the dam's owner on the date of service be a full-time employee of owner of bull, an immediate relative of owner of bull or that the dam was sold with an A. I. breeding privilege as condition of the sale. If not, an A. I. Certificate will be required.
BA	Breeder's Certificate	Review AAA Requirements	Individual Animal: Angus	AN Breeder's Certificate	<b>Filled by user on the Angus tab in Cow Sense prior to export.</b> A Breeder's Certificate is required if the Dam was transferred before calf was dropped and service was not reported by the breeder on the transfer. The member code entered in this field should be the owner of the dam on the date of service.
BB	Store Electronically	To Register	Individual Animal: Angus	AN Electronic Store	<b>Filled by user on the Angus tab in Cow Sense prior to export.</b> Enter Y (yes) or N (no). If you choose Yes, the animal will be registered but no paper certificate will be printed. It will be stored at the Association and the animal is then eligible for Electronic Transfer. If, at a later time, you require a paper Performance Registration Certificate for the registered animal, you may make a request for the document using the 'Request Printed Registration Paper' option from the AAA website. If you choose No, you will receive a printed Performance Registration Certificate.
BC	Embryo Removal Date	Yes, to Register if ET	Individual Animal: Angus	AN Embryo Removal	<b>Filled by user on the Angus tab in Cow Sense prior to export.</b> If calf is from an embryo transplant, then enter the embryo removal date.

## Appendix D. Partner Exchange Tool American Angus Association Interface Breeding Data Submission - Reference Table

### Breeding Data Submission

AAA Worksheet Column	AAA Field Name	AAA Requirement	Cow Sense Entry Form-Tab	Cow Sense Field Description	Data Source and Description
A	Cust Code	<b>YES, IF</b> submitting Breeding Data	PET OR Individual Animal: Angus	Member ID OR AN Member	<b>IF</b> the Member Code (number) for this animal is the same as the Member ID entered in PET Step 3, there is no need to add to this animal record. However, if multiple member numbers are in use in your herd and this animal is recorded to a member number different than registered with PET, it is <b>VERY IMPORTANT</b> that the correct number be recorded in this field.
B	Season	<b>YES, IF</b> submitting Breeding Data	Not Available in Cow Sense. However, field is displayed in Export Worksheet	Not Available in Cow Sense.	<b>Filled by user after PET Step 6 Export To Worksheet.</b> Record AAA Breeding Season Code in column B of the Worksheet created by the PET Breeding Export function. Use the following codes: 1 = Spring Herd 2 = Fall Herd 3 = Single Season
C	Breeding Year	Optional	Breeding	Breeding Date(s)	PET extracts Breeding Year from the breeding records corresponding to the selected Calving Season in Cow Sense. User designates the Calving Season(s) in PET Step 4 for which they wish to submit corresponding breeding data.
D	Group Code	Optional	Not Available in Cow Sense. However, field is displayed in Export Worksheet	Not Available in Cow Sense	<b>Filled by user after PET Step 6 Export To Worksheet.</b> If animal was assigned to a group breeding event, user should assign a uniform code to all animal records assigned to that group.
E	Cow Tag	<b>YES, IF</b> submitting Breeding Data	Individual Animal: Identity	Visual Tag	PET fills from information recorded on Identity tab, Visual ID field in Cow Sense.
F	Cow Registration	Optional	Individual Animal: Identity OR Angus	Registration Primary OR AN Registration	If the AN Registration field has not previously been filled on the Angus tab in Cow Sense, PET will obtain this information from the Individual tab, Registration Primary field. <b>(No need to duplicate on Angus tab if it exists on Individual tab).</b>
G	Cow Assn	Optional	Individual Animal: Identity OR Angus	Reg Assoc Primary OR AN Assoc Code	If the AN Assoc Code field has not previously been filled on the Angus tab in Cow Sense, PET will obtain this information from the Individual tab, Reg Assoc Primary field. <b>(No need to duplicate on Angus tab if it exists on Individual tab)</b>
H	Cow Birth Date	<b>YES, IF</b> submitting Breeding Data	Individual Animal: Identity	Birth Date	PET will extract this information from the Individual tab, Birth Date field in Cow Sense. If present it will be submitted and formatted as MM/DD/YY (e.g., 05/06/18).
I	Preg Check Date	Optional	Individual Animal: Traits	Preg Check Date	PET will extract this information from the Traits tab, Preg Check Date field in Cow Sense. If present will be submitted and formatted as MM/DD/YY (e.g., 05/06/18).
J	Days Preg	Optional	Individual Animal: Traits	Days Bred	PET will extract this information from the Traits tab, Days Bred field in Cow Sense. If present will be submitted as a whole number.
K	Open	Optional	Individual Animal: Traits	Preg Status	PET will extract this information from the Traits tab, Preg Status field in Cow Sense. If data is present and is recorded as "Pregnant", it will be submitted as "N". If present and recorded as "Open" it will be submitted as "Y". <b>If left blank in Cow Sense, it will be left blank in the submission and interpreted by AAA as Y "Open".</b>

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AAA Worksheet Column	AAA Field Name	AAA Requirement	Cow Sense Entry Form-Tab	Cow Sense Field Description	Data Source and Description
L	Disposal Code	Review AAA Requirements	Individual Animal: Angus	AN Disposal Code	<p><b>Filled by user on Angus tab in Cow Sense prior to export.</b></p> <p>Any cow leaving the herd throughout the production cycle <b>must be given a disposal code.</b> Record the appropriate AAA Disposal codes as listed below in the AN Disposal Code field of the Angus tab of the individual animal record:</p> <ul style="list-style-type: none"> <li>28 - Culled - Eye Problem</li> <li>29 - Culled - Miscellaneous</li> <li>30 - Sold as commercial</li> <li>31 - Culled - teat and udder</li> <li>32 - Culled - structure</li> <li>33 - Culled - fertility or open</li> <li>34 - Culled - productivity/progeny performance</li> <li>35 - Culled - temperament</li> <li>36 - Culled - age</li> <li>37 - Died</li> <li>38 - Culled - Fell out of calving season</li> <li>39 - Culled - Feet (Hoof or Toe)</li> <li>40 - Culled - Illness or Disease</li> <li>41 - Culled - Genetic Defect Status</li> <li>42 - Culled - Weather</li> </ul> <p>Reason Codes If a cow remains in your herd, but does not have a calving or weaning record for the current year, please complete the reason code for her to remain as an active dam in your herd.</p> <ul style="list-style-type: none"> <li>50 - Open, cow missed calving opportunity</li> <li>51 - ET program/donor dam</li> <li>52 - Cow moved to next calving season</li> <li>53 - ET program/recipient cow</li> <li>54 - Aborted/premature</li> </ul>
M	Disposal Date	<b>Yes, if Disposed</b>	Individual Animal: Angus	AN Disposal Date	<p><b>Filled by user on Angus tab in Cow Sense prior to export.</b></p> <p>AAA requires that any cow leaving the herd throughout the production cycle <b>must be given a disposal date.</b> Record that information in this field (MM/DD/YY, e.g., 05/06/18).</p>
N	Pasture Code	Optional	Not Available in Cow Sense. However, field is displayed in Export Worksheet	Not Available in Cow Sense	<p><b>Filled by user after PET Step 6 Export To Worksheet.</b></p> <p>Record AAA Pasture Code in column N of the worksheet created by the PET Breeding Export function.</p>
O	Flush	Optional	Not Available in Cow Sense at this time. However, field is displayed in Export Worksheet	Field not Available in Cow Sense	<p><b>Filled by user after PET Step 6 Export To Worksheet.</b></p> <p>Record AAA Flush Code in column O of the worksheet created by the PET Breeding Export function. Enter the appropriate flush type from the following options:</p> <ul style="list-style-type: none"> <li>1 = Not Flushed</li> <li>2 = Flushed</li> </ul>
P	AI Sire Assn Num 1	Optional	Individual Animal: Breeding then Identity	Breeding Mate then Registration Primary	PET will look to determine if there is record of a first AI breeding (Type AI) for the selected Calving Season in Cow Sense. If found, PET will lookup the Mate for the first AI breeding record (Type AI) for that calving season. PET will then cross reference to AI Sire's Breed Association registration number recorded in the Registration Primary field.
Q	AI Sire Assn 1	Optional	Individual Animal: Breeding then Identity	Breeding Mate then Reg Assoc Primary	PET will look to determine if there is record of a first AI breeding (Type AI) for the selected Calving Season in Cow Sense. If found, PET will lookup the Mate for the first AI breeding record (Type AI) for that calving season. PET will then cross reference to AI Sire's Breed Association Code recorded in the Reg Assoc Primary field in Cow Sense.

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AAA Worksheet Column	AAA Field Name	AAA Requirement	Cow Sense Entry Form-Tab	Cow Sense Field Description	Data Source and Description
R	AI Sire Tag 1	Optional	Individual Animal: Breeding then Identity	Breeding Mate then Visual Tag	PET will look to determine if there is record of a first AI breeding (Type AI) for the selected Calving Season in Cow Sense. If found, PET will lookup the Mate for the first AI breeding record (Type AI) for that calving season. PET will then cross reference to AI Sire's Tag recorded in the Visual Tag field in Cow Sense.
S	AI Date 1	Optional	Individual Animal: Breeding	Breeding Date	PET will look to determine if there is record of a first AI breeding (Type AI) for the selected Calving Season in Cow Sense. If found, PET will extract that date from the first AI breeding record (Type AI) for that calving season. First AI date will be submitted as MM/DD/YY (e.g., 05/06/18).
T	Synchronized 1	Optional	Not Available in Cow Sense. However, field is displayed in Export Worksheet	Field not Available in Cow Sense	<b>Filled by user after PET Step 6 Export To Worksheet.</b> Record AAA Synchronized 1 Code in column T of the worksheet created by the PET Breeding Export function. Enter the appropriate synchronization code from the following options: 0 = Not Reported 1 = Not Synchronized 2 = Synchronized
U	AI Sire Assn Num 2	Optional	Individual Animal: Breeding then Identity	Breeding Mate then Registration Primary	PET will look to determine if there is record of a second AI breeding (Type AI) for the selected Calving Season in Cow Sense. If found, PET will lookup the Mate for the second AI breeding record (Type AI) for the breeding year. PET will then cross reference to AI Sire's Breed Association registration number recorded in the Registration Primary field.
V	AI Sire Assn 2	Optional	Individual Animal: Breeding then Identity	Breeding Mate then Reg Assoc Primary	PET will look to determine if there is record of a second AI breeding (Type AI) for the selected Calving Season in Cow Sense. If found, PET will lookup the Mate for the second AI breeding record (Type AI) for the calving season. PET will then cross reference to AI Sire's Breed Association Code recorded in the Reg Assoc Primary field in Cow Sense.
W	AI Sire Tag 2	Optional	Individual Animal: Breeding then Identity	Breeding Mate then Visual Tag	PET will look to determine if there is record of a second AI breeding (Type AI) for the selected Calving Season in Cow Sense. If found, PET will lookup the Mate for the second AI breeding record (Type AI) for the calving season. PET will then cross reference to AI Sire's Tag recorded in the Visual Tag field in Cow Sense.
X	AI Date 2	Optional	Individual Animal: Breeding	Breeding Date	PET will look to determine if there is record of a second AI breeding (Type AI) for the selected Calving Season in Cow Sense. If found, PET will extract from the second AI breeding record (Type AI) for the calving season. Second AI date will be submitted as MM/DD/YY (e.g., 05/06/18).
Y	Synchronized 2	Optional	Not Available in Cow Sense. However, field is displayed in Export Worksheet	Field not Available in Cow Sense	<b>Filled by user after PET Step 6 Export To Worksheet.</b> Record AAA Synchronized 2 Code in column Y of the worksheet created by the PET Breeding Export function. Enter the appropriate synchronization code from the following options: 0 = Not Reported 1 = Not Synchronized 2 = Synchronized
Z	AI Sire Assn Num 3	Optional	Individual Animal: Breeding then Identity	Breeding Mate then Registration Primary	PET will look to determine if there is record of a third AI breeding (Type AI) for the selected Calving Season in Cow Sense. If found, PET will locate the Mate and cross reference to AI Sire's Breed Association registration number recorded in the Registration Primary field.
AA	AI Sire Assn 3	Optional	Individual Animal: Breeding then Identity	Breeding Mate then Reg Assoc Primary	PET will lookup to determine if there is record of a third AI breeding (Type AI) for the selected Calving Season in Cow Sense. If found, PET will locate the Mate and cross reference to AI Sire's Breed Association Code recorded in the Reg Assoc Primary field in Cow Sense.

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AAA Worksheet Column	AAA Field Name	AAA Requirement	Cow Sense Entry Form-Tab	Cow Sense Field Description	Data Source and Description
AB	AI Sire Tag 3	Optional	Individual Animal: Breeding then Identity	Breeding Mate then Visual Tag	PET will lookup to determine if there is record of a third AI breeding (Type AI) for the selected Calving Season in Cow Sense. If found, PET will locate the Mate and cross reference to AI Sire's Tag recorded in the Visual Tag field in Cow Sense.
AC	AI Date 3	Optional	Individual Animal: Breeding	Breeding Date	PET will lookup to determine if there is record of a third AI breeding (Type AI) for the selected Calving Season in Cow Sense. If found, PET will extract the date from the third AI breeding record (Type AI) for the Calving Season. Third AI date will be submitted as MM/DD/YY (e.g., 05/06/18)
AD	Synchronized 3	Optional	Not Available in Cow Sense. However, field is displayed in Export Worksheet	Field not Available in Cow Sense	<b>Filled by user after PET Step 6 Export To Worksheet</b> Record AAA Synchronized 3 Code in column AD of the worksheet created by the PET Breeding Export function. Enter the appropriate synchronization code from the following options: 0 = Not Reported 1 = Not Synchronized 2 = Synchronized
AE	AI Sire Assn Num 4	Optional	Individual Animal: Breeding then Identity	Breeding Mate then Registration Primary	PET will lookup to determine if there is record of a fourth AI breeding (Type AI) for the selected Calving Season in Cow Sense. If found, PET will locate the Mate and cross reference to AI Sire's Breed Association registration number recorded in the Registration Primary field.
AF	AI Sire Assn 4	Optional	Individual Animal: Breeding then Identity	Breeding Mate then Reg Assoc Primary	PET will lookup to determine if there is record of a fourth AI breeding (Type AI) for the selected Calving Season in Cow Sense. If found, PET will locate the Mate and cross reference to AI Sire's Breed Association Code recorded in the Reg Assoc Primary field in Cow Sense.
AG	AI Sire Tag 4	Optional	Individual Animal: Breeding then Identity	Breeding Mate then Visual Tag	PET will lookup to determine if there is record of a fourth AI breeding (Type AI) for the selected Calving Season in Cow Sense. If found, PET will locate the Mate and cross reference to AI Sire's Tag recorded in the Visual Tag field in Cow Sense.
AH	AI Date 4	Optional	Individual Animal: Breeding	Breeding Date	PET will lookup to determine if there is record of a fourth AI breeding (Type AI) for the selected Calving Season in Cow Sense. If found, PET will extract the date from the fourth AI breeding record (Type AI) for the Calving Season. Fourth AI date will be submitted as MM/DD/YY (e.g., 05/06/18)
AI	Synchronized 4	Optional	Not Available in Cow Sense. However, field is displayed in Export Worksheet	Field not Available in Cow Sense	<b>Filled by user after PET Step 6 Export To Worksheet</b> Record AAA Synchronized 4 Code in column AI of the worksheet created by the PET Breeding Export function. Enter the appropriate synchronization code from the following options: 0 = Not Reported 1 = Not Synchronized 2 = Synchronized
AJ	Pasture Sire Assn Num 1	Optional	Individual Animal: Breeding then Identity	Breeding Mate then Registration Primary	PET will lookup by locating the Mate for the first Natural Service breeding record (Type Natural) for the Calving Season. PET will then cross reference to Natural Service Sire's Breed Association registration number recorded in the Registration Primary field.
AK	Pasture Sire Assn 1	Optional	Individual Animal: Breeding then Identity	Breeding Mate then Reg Assoc Primary	PET will lookup by locating the Mate for the first Natural Service breeding record (Type Natural) for the Calving Season. PET will then cross reference to Natural Service Sire's Breed Association Code recorded in the Reg Assoc Primary field in Cow Sense.
AL	Pasture Sire Tag 1	Optional	Individual Animal: Breeding then Identity	Breeding Mate then Visual Tag	PET will lookup by locating the Mate for the first Natural Service breeding record (Type Natural) for the Calving Season. PET will then cross reference to Natural Service Sire's Tag recorded in the Visual Tag field in Cow Sense.

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AAA Worksheet Column	AAA Field Name	AAA Requirement	Cow Sense Entry Form-Tab	Cow Sense Field Description	Data Source and Description
AM	Pasture In Date 1	Optional	Individual Animal: Breeding	Breeding Date	PET will extract this date from the first Natural Service breeding record (Type Natural) for the Calving Season recorded in Cow Sense. First Natural Service "Bull IN Date" will be submitted as Pasture In Date 1 and formatted as MM/DD/YY (e.g., 05/06/18)
AN	Pasture Out Date 1	Optional	Individual Animal: Breeding	Breeding End Date	PET will extract from the first Natural Service Breeding End Date record (Type Natural) for the Calving Season recorded in Cow Sense. First Natural Service "Bull OUT Date" will be submitted as Pasture Out Date 1 and formatted as MM/DD/YY (e.g., 07/06/18)
AO	Pasture Observe Date 1	Optional	Not Available in Cow Sense. However, field is displayed in Export Worksheet	Field not Available in Cow Sense	<b>Filled by user after PET Step 6 Export To Worksheet.</b> Enter AAA Pasture Observe date 1 in column AO of the worksheet created by the PET Breeding Export function as MM/DD/YY (e.g., 05/06/18)
AP	Pasture Sire Group 1	Optional	Not Available in Cow Sense. However, field is displayed in Export Worksheet	Field not Available in Cow Sense	<b>Filled by user after PET Step 6 Export To Worksheet.</b> Enter an identifier for the first multiple sire group in column AP of the worksheet created by the PET Breeding Export function.
AQ	Pasture Synchronized 1	Optional	Not Available in Cow Sense. However, field is displayed in Export Worksheet	Field not Available in Cow Sense	<b>Filled by user after PET Step 6 Export To Worksheet.</b> Record AAA Pasture Synchronized 1 Code in column AQ of the worksheet created by the PET Breeding Export function. Enter the appropriate synchronization code from the following options: 0 = Not Reported 1 = Not Synchronized 2 = Synchronized
AR	Pasture Sire Assn Num 2	Optional	Individual Animal: Breeding then Identity	Breeding Mate then Registration Primary	PET will lookup by locating the Mate for the second Natural Service breeding record (Type Natural) for the Calving Season. PET will then cross reference to Natural Service Sire's Breed Association registration number recorded in the Registration Primary field.
AS	Pasture Sire Assn 2	Optional	Individual Animal: Breeding then Identity	Breeding Mate then Reg Assoc Primary	PET will lookup by locating the Mate for the second Natural Service breeding record (Type Natural) for the Calving Season. PET will then cross reference to Natural Service Sire's Breed Association Code recorded in the Reg Assoc Primary field in Cow Sense.
AT	Pasture Sire Tag 2	Optional	Individual Animal: Breeding then Identity	Breeding Mate then Visual Tag	PET will lookup by locating the Mate for the second Natural Service breeding record (Type Natural) for the Calving Season. PET will then cross reference to Natural Service Sire's Tag recorded in the Visual Tag field in Cow Sense.
AU	Pasture In Date 2	Optional	Individual Animal: Breeding	Breeding Date	PET will extract this date from the second Natural Service breeding record (Type Natural) for the Calving Season recorded in Cow Sense. Second Natural Service "Bull IN Date" will be submitted as Pasture In Date 2 and formatted as MM/DD/YY (e.g., 05/06/18)
AV	Pasture Out Date 2	Optional	Individual Animal: Breeding	Breeding End Date	PET will extract from the second Natural Service Breeding End Date record (Type Natural) for the Calving Season in Cow Sense. Second Natural Service "Bull OUT Date" will be submitted as Pasture Out Date 2 and formatted as MM/DD/YY (e.g., 07/06/18)
AW	Pasture Observe Date 2	Optional	Not Available in Cow Sense. However, field is displayed in Export Worksheet	Field not Available in Cow Sense	<b>Filled by user after PET Step 6 Export To Worksheet.</b> Enter Pasture Observe Date 2 in column AW of the worksheet created by the PET Breeding Export function as MM/DD/YY (e.g., 05/06/18)
AX	Pasture Sire Group 2	Optional	Not Available in Cow Sense. However, field is displayed in Export Worksheet	Field not Available in Cow Sense	<b>Filled by user after PET Step 6 Export To Worksheet.</b> Enter an identifier for a second multiple sire group in column AX of the worksheet created by the PET Breeding Export function.

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AAA Worksheet Column	AAA Field Name	AAA Requirement	Cow Sense Entry Form-Tab	Cow Sense Field Description	Data Source and Description
AY	Pasture Synchronized 2	Optional	Not Available in Cow Sense. However, field is displayed in Export Worksheet	Field not Available in Cow Sense	<b>Filled by user after PET Step 6 Export To Worksheet.</b> Record Pasture Synchronized 2 Code in column AY of the worksheet created by the PET Breeding Export function. Enter the appropriate synchronization code from the following options: 0 = Not Reported 1 = Not Synchronized 2 = Synchronized
AZ	Pasture Sire Assn Num 3	Optional	Individual Animal: Breeding then Identity	Breeding Mate then Registration Primary	PET will lookup to determine if there is record of a third Natural Service breeding record (Type Natural) for the breeding year. If found, PET will locate the Mate and cross reference to Natural Service Sire's Breed Association registration number recorded in the Registration Primary field.
BA	Pasture Sire Assn 3	Optional	Individual Animal: Breeding then Identity	Breeding Mate then Reg Assoc Primary	PET will lookup to determine if there is record of a third Natural Service breeding record (Type Natural) for the breeding year. If found, PET will locate the Mate and cross reference to Natural Service Sire's Breed Association Code recorded in the Reg Assoc Primary field in Cow Sense.
BB	Pasture Sire Tag 3	Optional	Individual Animal: Breeding then Identity	Breeding Mate then Visual Tag	PET will lookup to determine if there is record of a third Natural Service breeding record (Type Natural) for the breeding year. If found, PET will locate the Mate and cross reference to Natural Service Sire's Tag recorded in the Visual Tag field in Cow Sense.
BC	Pasture In Date 3	Optional	Individual Animal: Breeding	Breeding Date	PET will lookup to determine if there is record of a third Natural Service breeding record (Type Natural) for the Calving Season. If found, PET will extract this date from the third Natural Service breeding record (Type Natural) for that season recorded in Cow Sense. Third Natural Service "Bull IN Date" will be submitted as Pasture In Date 3 and formatted as MM/DD/YY (e.g., 05/06/18).
BD	Pasture Out Date 3	Optional	Individual Animal: Breeding	Breeding End Date	PET will lookup to determine if there is record of a third Natural Service breeding record (Type Natural) for the Calving Season. If found, PET will extract date from the third Natural Service Breeding End Date record (Type Natural) for that season recorded in Cow Sense. Third Natural Service "Bull OUT Date" will be submitted as Pasture Out Date 3 and formatted as MM/DD/YY (e.g., 07/06/18).
BE	Pasture Observe Date 3	Optional	Not Available in Cow Sense. However, field is displayed in Export Worksheet	Field not Available in Cow Sense	<b>Filled by user after PET Step 6 Export To Worksheet.</b> Enter Pasture Observe Date 3 in column BE of the worksheet created by the PET Breeding Export function as MM/DD/YY (e.g., 05/06/18).
BF	Pasture Sire Group 3	Optional	Not Available in Cow Sense. However, field is displayed in Export Worksheet	Field not Available in Cow Sense	<b>Filled by user after PET Step 6 Export To Worksheet.</b> Enter an identifier for a third multiple sire group in column BF of the worksheet created by the PET Breeding Export function.
BG	Pasture Synchronized 3	Optional	Not Available in Cow Sense. However, field is displayed in Export Worksheet	Field not Available in Cow Sense	<b>Filled by user after PET Step 6 Export To Worksheet.</b> Record Pasture Synchronized 3 Code in column BG of the worksheet created by the PET Breeding Export function. Enter the appropriate synchronization code from the following options: 0 = Not Reported 1 = Not Synchronized 2 = Synchronized
BH	ET Donor Dam Tag 1	Optional	Not Available in Cow Sense at this time. However, field is displayed in Export Worksheet	In progress, currently Field is not Available in Cow Sense	<b>Filled by user after PET Step 6 Export To Worksheet.</b> Record the ET donor dam's tag (of the first embryo implanted) in column BH of the worksheet created by the PET Breeding Export function. (e.g., 0104). If your visual tagging system includes leading zeros, format cells in this column as text cells otherwise Excel will drop leading zeros.

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AAA Worksheet Column	AAA Field Name	AAA Requirement	Cow Sense Entry Form-Tab	Cow Sense Field Description	Data Source and Description
BI	ET Donor Dam Assn Number 1	Optional	Not Available in Cow Sense at this time. However, field is displayed in Export Worksheet	In progress, currently Field is not Available in Cow Sense	<b>Filled by user after PET Step 6 Export To Worksheet.</b> Record ET Donor Dam's Breed Association registration number (of the first embryo implanted) in column BI of the worksheet created by the PET Breeding Export function.
BJ	ET Donor Dam Assn 1	Optional	Not Available in Cow Sense at this time. However, field is displayed in Export Worksheet	In progress, currently Field is not Available in Cow Sense	<b>Filled by user after PET Step 6 Export To Worksheet.</b> Record AAA Breed Association code for ET donor dam (of the first embryo implanted) in column BJ of the worksheet created by the PET Breeding Export function. Reference Breed Association Codes
BK	ET Donor Dam Birth Date 1	Optional	Not Available in Cow Sense at this time. However, field is displayed in Export Worksheet	In progress, currently Field is not Available in Cow Sense	<b>Filled by user after PET Step 6 Export To Worksheet.</b> Record ET donor dam birth date (of the first embryo implanted) in column BK of the worksheet created by the PET Breeding Export function. as MM/DD/YY (e.g., 05/06/18)
BL	ET Sire Assn Number 1	Optional	Not Available in Cow Sense at this time. However, field is displayed in Export Worksheet	In progress, currently Field is not Available in Cow Sense	<b>Filled by user after PET Step 6 Export To Worksheet.</b> Record ET Sire's Breed Association registration number (of the first embryo implanted) in column BL of the worksheet created by the PET Breeding Export function.
BM	ET Sire Assn 1	Optional	Not Available in Cow Sense at this time. However, field is displayed in Export Worksheet	In progress, currently Field is not Available in Cow Sense	<b>Filled by user after PET Step 6 Export To Worksheet.</b> Record AAA Breed Association code for ET Sire (of the first embryo implanted) in column BM of the worksheet created by the PET Breeding Export function. Reference Breed Association Codes
BN	ET Sire Tag 1	Optional	Not Available in Cow Sense at this time. However, field is displayed in Export Worksheet	In progress, currently Field is not Available in Cow Sense	<b>Filled by user after PET Step 6 Export To Worksheet.</b> Record ET sire's tag (of the first embryo implanted) in column BN of the worksheet created by the PET Breeding Export function (e.g., 0104). If your visual tagging system includes leading zeros, format cells in this column as text cells otherwise Excel will drop leading zeros.
BO	ET Implant Date 1	Optional	Not Available in Cow Sense at this time. However, field is displayed in Export Worksheet	In progress, currently Field is not Available in Cow Sense	<b>Filled by user after PET Step 6 Export To Worksheet.</b> Record AAA ET Implant Date (of the first embryo implanted) in column BO of the worksheet created by the PET Breeding Export function as MM/DD/YY (e.g., 05/06/18).
BP	ET Removal Date 1	Optional	Not Available in Cow Sense at this time. However, field is displayed in Export Worksheet	In progress, currently Field is not Available in Cow Sense	<b>Filled by user after PET Step 6 Export To Worksheet.</b> Record the date the embryo was removed or recovered from the donor dam (of the first embryo implanted) in column BP of the worksheet created by the PET Breeding Export function. Date should be formatted as MM/DD/YY (e.g., 05/06/18).
BQ	ET Sire Group 1	Optional	Not Available in Cow Sense. However, field is displayed in Export Worksheet	Field not Available in Cow Sense	<b>Filled by user after PET Step 6 Export To Worksheet.</b> In the event the embryo was the result of a group of sires, record the ET Sire Group (of the first embryo implanted) in column BQ of the worksheet created by the PET Breeding Export function.

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AAA Worksheet Column	AAA Field Name	AAA Requirement	Cow Sense Entry Form-Tab	Cow Sense Field Description	Data Source and Description
BR	ET Sync 1	Optional	Not Available in Cow Sense. However, field is displayed in Export Worksheet	Field not Available in Cow Sense	<b>Filled by user after PET Step 6 Export To Worksheet.</b> Record ET Synchronized 1 Code in column BR of the worksheet created by the PET Breeding Export function. Enter the appropriate synchronization code from the following options: 0 = Not Reported 1 = Not Synchronized 2 = Synchronized
BS	ET Donor Dam Tag 2	Optional	Not Available in Cow Sense at this time. However, field is displayed in Export Worksheet	In progress, currently Field is not Available in Cow Sense	<b>Filled by user after PET Step 6 Export To Worksheet</b> (in the event the same recipient is implanted a <b>second</b> time in the same breeding season). Record the ET donor dam's tag (of the second embryo implanted) in column BS of the worksheet created by the PET Breeding Export function. (e.g., 0104). If your visual tagging system includes leading zeros, format cells in this column as text cells otherwise Excel will drop leading zeros.
BT	ET Donor Dam Assn Number 2	Optional	Not Available in Cow Sense at this time. However, field is displayed in Export Worksheet	In progress, currently Field is not Available in Cow Sense	<b>Filled by user after PET Step 6 Export To Worksheet.</b> Record ET Donor Dam's Breed Association registration number (of the second embryo implanted) in column BT of the worksheet created by the PET Breeding Export function.
BU	ET Donor Dam Assn 2	Optional	Not Available in Cow Sense at this time. However, field is displayed in Export Worksheet	In progress, currently Field is not Available in Cow Sense	<b>Filled by user after PET Step 6 Export To Worksheet.</b> Record AAA Breed Association code for ET donor dam (of the second embryo implanted) in column BU of the worksheet created by the PET Breeding Export function. Reference Breed Association Codes
BV	ET Donor Dam Birth Date 2	Optional	Not Available in Cow Sense at this time. However, field is displayed in Export Worksheet	In progress, currently Field is not Available in Cow Sense	<b>Filled by user after PET Step 6 Export To Worksheet.</b> Record ET donor dam birth date (of the second embryo implanted) in column BV of the worksheet created by the PET Breeding Export function. as MM/DD/YY (e.g., 05/06/18)
BW	ET Sire Assn Number 2	Optional	Not Available in Cow Sense at this time. However, field is displayed in Export Worksheet	In progress, currently Field is not Available in Cow Sense	<b>Filled by user after PET Step 6 Export To Worksheet.</b> Record ET Sire's Breed Association registration number (of the second embryo implanted) in column BW of the worksheet created by the PET Breeding Export function.
BX	ET Sire Assn 2	Optional	Not Available in Cow Sense at this time. However, field is displayed in Export Worksheet	In progress, currently Field is not Available in Cow Sense	<b>Filled by user after PET Step 6 Export To Worksheet.</b> Record AAA Breed Association code for ET Sire (of the second embryo implanted) in column BX of the worksheet created by the PET Breeding Export function. Reference Breed Association Codes
BY	ET Sire Tag 2	Optional	Not Available in Cow Sense at this time. However, field is displayed in Export Worksheet	In progress, currently Field is not Available in Cow Sense	<b>Filled by user after PET Step 6 Export To Worksheet.</b> Record ET sire's Visual Tag (of the second embryo implanted) in column BY of the worksheet created by the PET Breeding Export function (e.g., 0104). If your visual tagging system includes leading zeros, format cells in this column as text cells otherwise Excel will drop leading zeros.
BZ	ET Implant Date 2	Optional	Not Available in Cow Sense at this time. However, field is displayed in Export Worksheet	In progress, currently Field is not Available in Cow Sense	<b>Filled by user after PET Step 6 Export To Worksheet.</b> Record ET Implant Date (of the second embryo implanted) in column BZ of the worksheet created by the PET Breeding Export function as MM/DD/YY (e.g., 05/06/18)

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AAA Worksheet Column	AAA Field Name	AAA Requirement	Cow Sense Entry Form-Tab	Cow Sense Field Description	Data Source and Description
CA	ET Removal Date 2	Optional	Not Available in Cow Sense at this time. However, field is displayed in Export Worksheet	In progress, currently Field is not Available in Cow Sense	<b>Filled by user after PET Step 6 Export To Worksheet.</b> Record the date the embryo was removed or recovered from the donor dam (of the second embryo implanted) in column CA of the worksheet created by the PET Breeding Export function. Date should be formatted as MM/DD/YY (e.g., 05/06/18).
CB	ET Sire Group 2	Optional	Not Available in Cow Sense. However, field is displayed in Export Worksheet	Field not Available in Cow Sense	<b>Filled by user after PET Step 6 Export To Worksheet.</b> In the event the embryo was the result of a group of sires, record the ET Sire Group (of the second embryo implanted) in column CB of the worksheet created by the PET Breeding Export function.
CC	ET Sync 2	Optional	Not Available in Cow Sense. However, field is displayed in Export Worksheet	Field not Available in Cow Sense	<b>Filled by user after PET Step 6 Export To Worksheet.</b> Record ET Synchronized 2 Code in column CC of the worksheet created by the PET Breeding Export function. Enter the appropriate synchronization code from the following options: 0 = Not Reported 1 = Not Synchronized 2 = Synchronized
CD	ET Donor Dam Tag 3	Optional	Not Available in Cow Sense at this time. However, field is displayed in Export Worksheet	In progress, currently Field is not Available in Cow Sense	<b>Filled by user after PET Step 6 Export To Worksheet</b> (in the event the same recipient is implanted a <b>third</b> time in the same breeding season). Record the ET donor dam's Visual Tag (of the third embryo implanted) in column CD of the worksheet created by the PET Breeding Export function. (e.g., 0104). If your visual tagging system includes leading zeros, format cells in this column as text cells otherwise Excel will drop leading zeros.
CE	ET Donor Dam Assn Number 3	Optional	Not Available in Cow Sense at this time. However, field is displayed in Export Worksheet	In progress, currently Field is not Available in Cow Sense	<b>Filled by user after PET Step 6 Export To Worksheet.</b> Record ET Donor Dam's Breed Association registration number (of the third embryo implanted) in column CE of the worksheet created by the PET Breeding Export function.
CF	ET Donor Dam Assn 3	Optional	Not Available in Cow Sense at this time. However, field is displayed in Export Worksheet	In progress, currently Field is not Available in Cow Sense	<b>Filled by user after PET Step 6 Export To Worksheet.</b> Record AAA Breed Association code for ET donor dam (of the third embryo implanted) in column CF of the worksheet created by the PET Breeding Export function. Reference Breed Association Codes
CG	ET Donor Dam Birth Date 3	Optional	Not Available in Cow Sense at this time. However, field is displayed in Export Worksheet	In progress, currently Field is not Available in Cow Sense	<b>Filled by user after PET Step 6 Export To Worksheet.</b> Record ET donor dam birth date (of the third embryo implanted) in column CG of the worksheet created by the PET Breeding Export function. as MM/DD/YY (e.g., 05/06/18)
CH	ET Sire Assn Number 3	Optional	Not Available in Cow Sense at this time. However, field is displayed in Export Worksheet	In progress, currently Field is not Available in Cow Sense	<b>Filled by user after PET Step 6 Export To Worksheet.</b> Record ET Sire's Breed Association registration number (of the third embryo implanted) in column CH of the worksheet created by the PET Breeding Export function.
CI	ET Sire Assn 3	Optional	Not Available in Cow Sense at this time. However, field is displayed in Export Worksheet	In progress, currently Field is not Available in Cow Sense	<b>Filled by user after PET Step 6 Export To Worksheet.</b> Record AAA Breed Association code for ET Sire (of the third embryo implanted) in column CI of the worksheet created by the PET Breeding Export function. Reference Breed Association Codes

**Appendix D. Partner Exchange Tool American Angus Association Interface  
Breeding Data Submission - Reference Table**

AAA Worksheet Column	AAA Field Name	AAA Requirement	Cow Sense Entry Form-Tab	Cow Sense Field Description	Data Source and Description
CJ	ET Sire Tag 3	Optional	Not Available in Cow Sense at this time. However, field is displayed in Export Worksheet	In progress, currently Field is not Available in Cow Sense	<b>Filled by user after PET Step 6 Export To Worksheet.</b> Record ET sire's Visual Tag (of the third embryo implanted) in column CJ of the worksheet created by the PET Breeding Export function (e.g., 0104). If your visual tagging system includes leading zeros, format cells in this column as text cells otherwise Excel will drop leading zeros.
CK	ET Implant Date 3	Optional	Not Available in Cow Sense at this time. However, field is displayed in Export Worksheet	In progress, currently Field is not Available in Cow Sense	<b>Filled by user after PET Step 6 Export To Worksheet.</b> Record ET Implant Date (of the third embryo implanted) in column CK of the worksheet created by the PET Breeding Export function as MM/DD/YY (e.g., 05/06/18)
CL	ET Removal Date 3	Optional	Not Available in Cow Sense at this time. However, field is displayed in Export Worksheet	In progress, currently Field is not Available in Cow Sense	<b>Filled by user after PET Step 6 Export To Worksheet.</b> Record the date the embryo was removed or recovered from the donor dam (of the third embryo implanted) in column CL of the worksheet created by the PET Breeding Export function. Date should be formatted as MM/DD/YY (e.g., 05/06/18).
CM	ET Sire Group 3	Optional	Not Available in Cow Sense. However, field is displayed in Export Worksheet	Field not Available in Cow Sense	<b>Filled by user after PET Step 6 Export To Worksheet d by user.</b> In the event the embryo was the result of a group of sires, record the ET Sire Group (of the third embryo implanted) in column CM of the worksheet created by the PET Breeding Export function.
CN	ET Sync 3	Optional	Not Available in Cow Sense. However, field is displayed in Export Worksheet	Field not Available in Cow Sense	<b>Filled by user after PET Step 6 Export To Worksheet.</b> Record ET Synchronized 3 Code in column CN of the worksheet created by the PET Breeding Export function. Enter the appropriate synchronization code from the following options: 0 = Not Reported 1 = Not Synchronized 2 = Synchronized

**Appendix E. Partner Exchange Tool American Angus Association Interface  
Mature Cow Data Submission - Reference Table**

**Cow Data Submissions**

AAA Worksheet Column	AAA Field Name	AAA Requirement	Cow Sense Entry Form-Tab	Cow Sense Field Description	Data Source and Description
A	Customer	<b>Always</b>	PET OR Individual Animal: Angus	Member ID OR AN Member	<b>IF</b> the Member Owner Code (number) for this animal is the same as the Member ID entered in PET Step 3, there is no need to add to this animal record. However, if multiple member numbers are in use in your herd and this animal is recorded to a member number different than registered with PET, it is <b>VERY IMPORTANT</b> that the correct number be recorded in this field.
B	Dam Tag	<b>Always</b>	Individual Animal: Identity	Visual Tag	PET fills from information recorded on Identity tab, Visual ID field in Cow Sense.
C	Dam Assn	Optional	Individual Animal: Identity OR Angus	Reg Assoc Primary OR AN Assoc Code	If the AN Assoc Code field has not previously been filled on the Angus tab in Cow Sense, PET will obtain this information from the Individual tab, Reg Assoc Primary field. <b>(No need to duplicate on Angus tab if it exists on Individual tab)</b>
D	Dam Assn Number	Optional	Individual Animal: Identity OR Angus	Registration Primary OR AN Registration	If the AN Registration field has not previously been filled on the Angus tab in Cow Sense, PET will obtain this information from the Individual tab, Registration Primary field. <b>(No need to duplicate on Angus tab if it exists on Individual tab).</b>
E	Dam Tattoo	Always	Individual Animal: Identity	Tattoo 1	PET will extract the data from the Tattoo 1 field stored on the Identity tab of the cow's record in Cow Sense for submission.
F	Birth Date	<b>Optional</b>	Individual Animal: Identity	Birth Date	PET will extract this information from the Individual tab, Birth Date field in Cow Sense. If present it will be submitted and formatted as MM/DD/YY (e.g., 05/06/18).
G	Measured Date	Optional	Individual Animal: Performance	Mature Weight Date	PET will extract the data from the Mature Weight Date field of the Performance tab in Cow Sense. PET will report this date formatted as MM/DD/YY (e.g., 05/06/18).
H	Cow Weight	Optional	Individual Animal: Performance	Mature Weight	PET will extract the data from the Mature Weight field of the Performance tab in Cow Sense. AAA requires cow weights reported must be between 400 and 2000 (pounds).
I	Cow Height	Optional	Individual Animal: Performance	Mature Hip Height	PET will lookup the Dam's record and extract the data from the Mature Hip Height field of the Performance tab in Cow Sense. AAA requires cow hip heights must be between 33.0 and 60.0 (inches).

**Appendix E. Partner Exchange Tool American Angus Association Interface  
Mature Cow Data Submission - Reference Table**

AAA Worksheet Column	AAA Field Name	AAA Requirement	Cow Sense Entry Form-Tab	Cow Sense Field Description	Data Source and Description
J	Condition	Optional	Individual Animal: Traits	Body Condition	<p>PET will extract the data from the Body Condition field of the Traits tab in Cow Sense. Reference AAA Cow Condition Scores below.</p> <p>AAA Cow's Condition Scores:</p> <p><b>1 - Severely emaciated.</b> All ribs and bone structure easily visible. Very little visible muscle tissue, physically weak.</p> <p><b>2 - Emaciated.</b> Similar to score one, but not weakened. Little visible muscle tissue.</p> <p><b>3 - Very thin.</b> No fat on ribs or brisket. More apparent muscling than on condition score two. Backbone easily visible.</p> <p><b>4 - Thin,</b> with ribs easily visible, but shoulders and hindquarters show fair muscling. Backbone visible.</p> <p><b>5 - Moderate to thin.</b> Last two or three ribs can be seen. Little evidence of fat on brisket, over ribs, or around tail head.</p> <p><b>6 - Good condition.</b> Smooth appearance throughout. Slight fat deposition on brisket and over tail head. Ribs covered, and backs appear slightly rounded.</p> <p><b>7 - Very good condition.</b> Brisket full. Tail head shows pockets of fat. Back appears well rounded due to fat. Ribs very smooth.</p> <p><b>8 - Obese.</b> Back square due to fat. Brisket distended. Heavy fat pockets around tail head. Neck thick.</p> <p><b>9 - Rarely seen.</b> Very obese. Similar to condition score eight, except more extreme. Heavy deposition of udder fat.</p>
K	Docility	Optional	Individual Animal: Traits	Chute Score	<p>PET will extract the data from the Chute Score field of the Traits tab in Cow Sense. Reference AAA Docility Scores below.</p> <p>AAA Cow's Temperament Scores</p> <p>1 - <b>Docile.</b> Acceptable, mild disposition, most favorable temperament.</p> <p>2 - <b>Restless.</b> Restless during processing.</p> <p>3 - <b>Nervous.</b> Nervous and impatient.</p> <p>4 - <b>Flighty (Wild).</b> Jumpy and out of control, quivers and struggles violently.</p> <p>5 - <b>Aggressive.</b> Added aggressive behavior, extreme agitation.</p> <p>6 - <b>Very Aggressive.</b> Extremely aggressive temperament.</p>

**Appendix E. Partner Exchange Tool American Angus Association Interface  
Mature Cow Data Submission - Reference Table**

AAA Worksheet Column	AAA Field Name	AAA Requirement	Cow Sense Entry Form-Tab	Cow Sense Field Description	Data Source and Description
L	Disposal Code	Review AAA Requirements	Individual Animal: Angus	AN Disposal Code	<p><b>Filled by user on Angus tab in Cow Sense prior to export.</b></p> <p>Any cow leaving the herd throughout the production cycle <b>must be given a disposal code.</b> Record the appropriate AAA Disposal codes as listed below in the AN Disposal Code field of the Angus tab of the individual animal record. PET will extract this data for submission:</p> <p>AAA Disposal Codes            28 - Culled - Eye Problem            29 - Culled - Miscellaneous            30 - Sold as commercial            31 - Culled - teat and udder            32 - Culled - structure            33 - Culled - fertility or open            34 - Culled - productivity/progeny performance            35 - Culled - temperament            36 - Culled - age            37 - Died            38 - Culled - Fell out of calving season            39 - Culled - Feet (Hoof or Toe)            40 - Culled - Illness or Disease            41 - Culled - Genetic Defect Status            42 - Culled - Weather</p> <p>AAA Reason Codes            If a cow remains in your herd, but does not have a calving or weaning record for the current year, please complete the reason code for her to remain as an active dam in your herd.            50 - Open, cow missed calving opportunity            51 - ET program/donor dam            52 - Cow moved to next calving season            53 - ET program/recipient cow            54 - Aborted/premature</p>
M	Disposal Date	<b>Yes, if Disposed</b>	Individual Animal: Angus	AN Disposal Date	<p><b>Filled by user on Angus tab in Cow Sense prior to export.</b></p> <p>AAA requires that any cow leaving the herd throughout the production cycle <b>must be given a disposal date.</b> Record that information in this field (MM/DD/YY, e.g., 05/06/18).</p>
N	Elec ID	Optional	Individual Animal: Identity	EID	<p>PET will reference data recorded in the EID field on the Identity tab and extract for submission. AAA requires data to be between 1 and 30 characters.</p>

**Appendix F. Partner Exchange Tool American Angus Association Interface  
Breed Association Codes - Reference Table**

***Breed Association Codes for Data Submissions to AAA***

<b>Code</b>	<b>Association</b>
AAA	American Angus Association
AACAS	Aberdeen-Angus Cattle Society of Scotland
ABA	American Blonde d'Aquitaine Association
ABBA	American Brahman Breeders Association
ABHA	American Black Hereford Association
ABWP	American British White Park Association
ACA	American Chianina Association
AGA	American Gelbvieh Association
AHA	American Hereford Association
AHCA	American Highland Cattle Association
AICA	American International Charolais Association
ALR	American Lowline Registry
AMAA	American Maine Anjou Association
APA	American Pinzgauer Association
ARGAA	Argentina Angus Association
ASA	American Simmental Association
ASHA	American Shorthorn Association
ASLRA	American Salers Association
ATA	American Tarentaise Association
AUSSA	Angus Society of Australia
AWA	American Wagyu Association
BAA	Braunvieh Association of America
BBU	Beefmaster Breeders United
BIR	Beef Improvement Records
BIRU	Beef Improvement Records Unknown
CAA	Canadian Angus Association
IAAA	Irish Aberdeen-Angus Association
IBBA	International Brangus Breeders Association
NALF	North American Limousin Foundation
NASD	North American South Devon Association
NZAA	New Zealand Angus Association
RAAA	Red Angus Association of America
SCBA	Senepol Cattle Breeders Association
SGBI	Santa Gertrudis Breeders International
TLBA	Texas Longhorn Breeders Assoc of America